

STR-DE335/SE391/V323

SERVICE MANUAL



Photo: STR-DE335 US model

US Model

STR-DE335/SE391

Canadian Model

AEP Model

E Model

Australian Model

STR-DE335

Chinese Model

STR-V323

SPECIFICATIONS

Audio power specifications (US model)

POWER OUTPUT AND TOTAL HARMONIC DISTORTION

With 8-ohm load, both channels driven, from 20^{a)} – 20,000 Hz, rated 100 watts per channel minimum RMS power, with no more than 0.09 %^{b)} total harmonic distortion from 250 milliwatts to rated output.

STR-SE391:

- a) 40Hz
- b) 0.5 %

Amplifier section

Power output

Stereo mode

STR-DE335/V323

US, Canadian models:
(8 ohms at 20 Hz – 20 kHz
less than 0.09 % total
harmonic distortion)
100 W + 100 W

AEP model:
(DIN 1 kHz, 4 ohms)
80 W + 80 W

Malaysia, Singapore,
Chinese, Australian
models:

Rated power:
(8 ohms at 1 kHz,
THD 0.7 %)
80 W + 80 W
Reference power:
(8 ohms at 20 Hz – 20 kHz,
less than 0.09 % total
harmonic distortion)
70 W + 70 W

E model:

Rated power: (8 ohms at
1kHz, THD 0.7 %)
100 W + 100 W

Surround mode
and 5.1 CH/DVD
mode
(Reference)

Reference power:
(8 ohms at 20 Hz – 20 kHz,
less than 0.09 % total
harmonic distortion)
95 W + 95 W

STR-SE391

(8 ohms at 40 Hz – 20 kHz,
less than 0.5 % total
harmonic distortion)
100 W + 100 W

STR-DE335/V323

US, Canadian models:
(8 ohms at 1 kHz, THD
0.8%)

Front: 80 W/ch
Center: (Pro Logic mode)
80 W

Rear: 80 W/ch
AEP model:
(DIN 1 kHz, 4 ohms)

Front: 70 W/ch
Center: 70 W
(only in PRO LOGIC
mode)

Rear: 70 W/ch
E, Malaysia, Singapore,
Chinese, Australian
models:

Rated power: (8 ohms at
1 kHz, THD 0.7 %)

Front: 80 W/ch
Center: (Pro Logic mode)
80 W

Rear: 80 W/ch

Frequency
response

STR-SE391

(8 ohms at 1 kHz,
THD 0.5 %)
Front: 80 W/ch
Center: (Pro Logic mode)
80 W

Rear: 80 W/ch
Reference power:
(8 ohms 20 Hz – 20 kHz,
less than 0.09 % total
harmonic distortion)

Front: 70 W/ch
Center: (Pro Logic mode)
70 W

Rear: 70 W/ch

RMS power:
(8 ohms at 1 kHz,
THD 10 %)

Front: 100 W/ch
Center: (Pro Logic mode)
100 W

Rear: 100 W/ch
PHONO: RIAA
equalization curve ± 0.5 dB
(STR-SE391)

TV/SAT (TV/LD), CD,
MD/TAPE, VIDEO
5.1 CH/DVD:

10 Hz – 50 kHz ± 1 dB

– Continued on next page –

FM STEREO/FM-AM RECEIVER



SONY®

Inputs			
	Sensitivity	Impedance	S/N
PHONO (STR-SE391)	4 mV	50 kilohms	70 dB
CD, 5.1 CH/ DVD, MD/TAPE, TV/SAT, (TV/LD) VIDEO	150 mV (AEP model) 250 mV (EXCEPT AEP models)	50 kilohms	80 dB
Outputs	MD/TAPE REC OUT: Voltage: 150 mV, (US, AEP models) Voltage: 250 mV, (Canadian, E, Malaysia, Singapore, Australian and Chinese models) Impedance: 10 kilohms VIDEO AUDIO OUT: Voltage: 150 mV, (US, AEP models) Voltage: 250 mV, (Canadian, E, Malaysia Singapore, Australian and Chinese models) Impedance: 10 kilohms WOOFER: Voltage: 2V Impedance: 1 kilohms PHONES: Accepts low and high impedance headphones		
Muting	Full mute		
BASS BOOST	+ 10 dB at 70 Hz		
TONE	± 8 dB at 100 Hz and 10 kHz		

Tuner Section

FM stereo, FM/AM superheterodyne tuner

FM tuner section

Tuning range	87.5 – 108.0 MHz
Antenna terminals	75 ohms, unbalanced
Intermediate frequency	10.7 MHz
Sensitivity	Mono: 18.3 dBf, 2.2 µV/75 ohms Stereo: 38.3 dBf, 22.5 µV/75 ohms (AEP model) Mono: 18.3 dBf, 4.5 µV Stereo: 38.3 dBf, 45 µV (EXCEPT AEP models)
Usable sensitivity	11.2 dBf, 2 µV (IHF) (US model) 11.2 dBf, 1 µV/75 ohms (IHF) (AEP model) 11.2 dBf, 1 µV (IHF) (EXCEPT US, AEP models)
S/N	Mono: 76 dB Stereo: 70 dB
Harmonic distortion at 1 kHz	Mono: 0.3 % Stereo: 0.5 %
Separation	45 dB at 1kHz
Frequency response	30 Hz – 15 kHz ^{+0.5} ₋₂ dB
Selectivity	60 dB at 400 kHz

AM tuner section

Tuning range	AEP, Malaysia, Singapore, Australian and Chinese model: 531 – 1602 kHz (9 kHz step) US model: 530 – 1710 kHz (10kHz step)** 531 – 1710 kHz (9 kHz step) Canadian, E models: 530 – 1610 kHz (10kHz step)** 531 – 1602 kHz (9 kHz step)
Antenna	Loop antenna
Intermediate frequency	450 kHz
Usable sensitivity	50 dB/m (at 1,000kHz or 999 kHz) (US model) 50 dB/m (at 999 kHz) (EXCEPT US models) S/N 54 dB (at 50 mV/m) Harmonic distortion 0.5 % (50 mV/m, 400Hz)
Selectivity	At 9 kHz: 35 dB At 10 kHz: 40 dB

** You can change the AM tuning interval between 9 kHz and 10 kHz. Turn off the receiver and press I/⏻ (power) for more than 4 seconds until “INITIAL” appears.

- 1) After tuning in any AM station, turn off the receiver.
- 2) Hold down PRESET TUNING + button and press the I/⏻ (power) button. “9k STEP” appears.

To change to 10k Step, repeat step 1 and 2 until “10k STEP” appears. Note that all preset stations, index names and sound field are cleared after you make the procedure above.

Video section (STR-DE335/V323)

Inputs	VIDEO, TV/SAT (TV/LD), 5.1 CH/DVD: 1 Vp-p 75 ohms
Output	VIDEO, MONITOR: 1 Vp-p 75 ohms

General

System	Tuner section: PLL quartz-locked digital synthesizer system Preamplifier section: Low-noise NF type equalizer Power amplifier section: Pure-complementary SEPP
Power requirements	US, Canadian models: 120 V AC, 60 Hz Australian model: 240 V AC, 50 Hz AEP, Malaysia, Singapore and Chinese models: 230 V AC, 50/60 Hz E model 120/220/240 V AC, 50/60 Hz
Power consumption	US model: 230 W Canadian model: 325 VA AEP model: 225 W Malaysia, Singapore and Australian and Chinese models: 235 W E model 245 W

AC outlets	STR-DE335 US, Canadian models: 1 switched, 120 W/1A max STR-DE335 AEP, E, Malaysia, Singapore, Australian models: STR-V323 1 switched, 100 W max STR-SE391 2 switched, total 120 W/1A max
Dimensions	430 × 144 × 306 mm
Mass (Approx.)	STR-DE335: US model 8.7 kg STR-DE335: AEP model 7.7 kg EXCEPT DE335: US, AEP models 8.8 kg
Supplied accessories	FM wire antenna (1) AM loop antenna (1) Remote commander (remote) (1) Size AA (R6) batteries (2)

The specification measured is under

- 230 AC, 50Hz condition (AEP, Malaysia, Singapore and Chinese models)
- 240 AC, 50Hz condition (Australian model)

Design and specifications are subject to change without notice.

TABLE OF CONTENTS

1. SERVICING NOTES	4
2. GENERAL	5
3. DISASSEMBLY	7
4. TEST MODE	9
5. DIAGRAMS	
5-1. Block Diagram – MAIN Section (1/2) –	11
5-2. Block Diagram – MAIN Section (2/2) –	13
5-3. Block Diagram – DISPLAY/ POWER SUPPLY Section –	15
5-4. Note for Printed Wiring Boards and Schematic Diagrams	17
5-5. Printed Wiring Board – MAIN Board –	21
5-6. Printed Wiring Boards – REAR AMP Board/ SP SW Board/SECONDARY Board/ STANDBY Board/PRIMARY Board/ VOL SEL Board –	23
5-7. Schematic Diagram – MAIN Board (1/4)/ REAR AMP Board –	25
5-8. Schematic Diagram – MAIN Board (2/4)/ SP SW Board –	27
5-9. Schematic Diagram – MAIN Board (3/4) –	29
5-10. Schematic Diagram – MAIN Board (4/4)/ SECONDARY Board /STANDBY board/ PRIMARY Board/VOL SEL Board–	31
5-11. Printed Wiring Board – PANEL Section –	33
5-12. Schematic Diagram – PANEL Section –	35
5-13. Printed Wiring Boards – VOLUME Board/ TONE Board/VIDEO Board/PHONO Board –	37
5-14. Schematic Diagram – VOLUME Board/ TONE Board/VIDEO Board/PHONO Board –	39
5-15. IC Pin Function Description	44
6. EXPLODED VIEWS	46
7. ELECTRICAL PARTS LIST	50

与安全有关的零部件须知

在原理图上用阴影及 △ 标记来识别的零部件在安全操作上是具有关键性的。这些零部件要用本手册中所示的部件号对应的索尼零部件进行更换。

在安全操作上具有关键性的电路调整与索尼公司出版的维修手册完全一致。在更换关键零部件时或怀疑动作失常时，请进行这些调整操作。

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK △ OR DOTTED LINE WITH MARK △ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

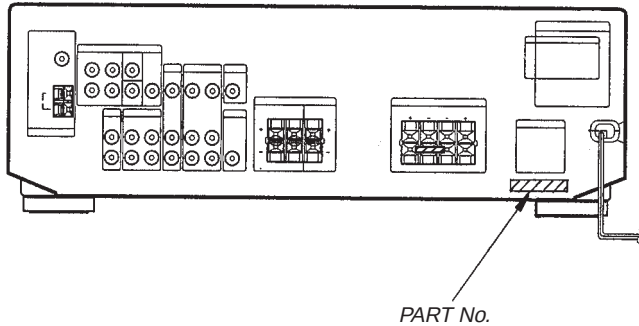
LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE △ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

SECTION 1

SERVICING NOTES

MODEL IDENTIFICATION

– Rear view –



MODEL	PART No.
DE 335: US model	4-218-844-0□
DE 335: Canadian model	4-218-844-1□
DE 335: Australian model	4-218-844-2□
DE 335: Malaysia, Singapore models	4-218-844-3□
V 323	4-218-844-4□
DE 335: E model	4-218-844-5□
DE 335: AEP model	4-218-844-6□
SE 391	4-218-844-7□

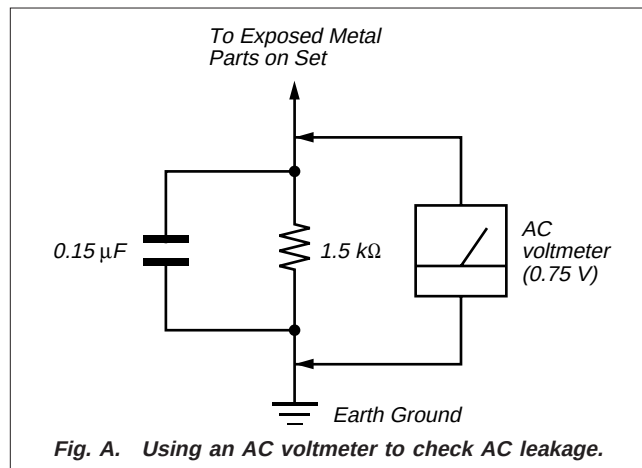
SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer: Check the antenna terminals, metal trim, “metallized” knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

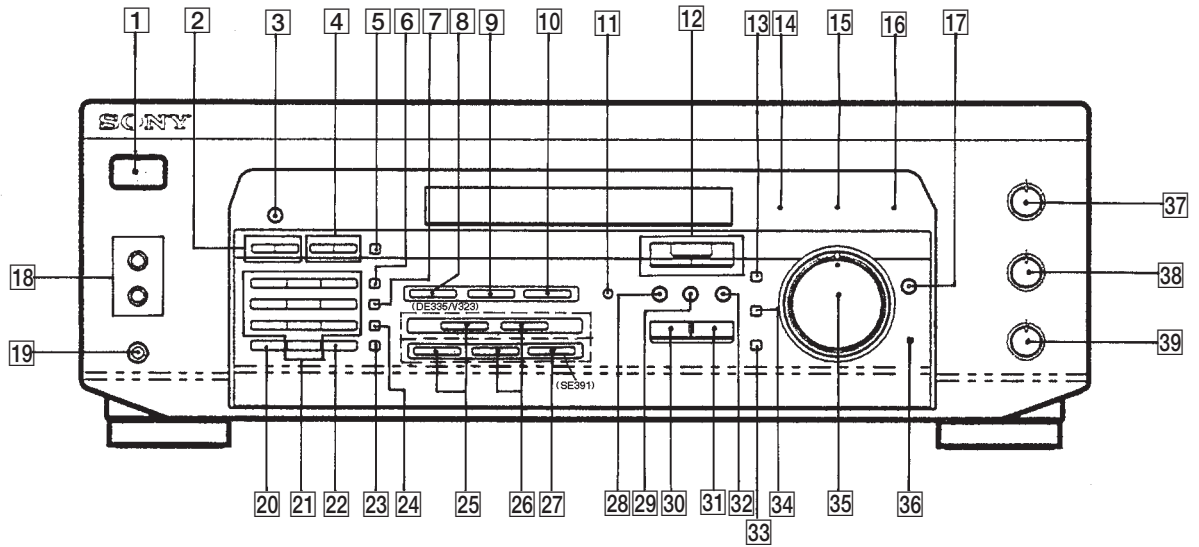
1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers’ instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The “limit” indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)



SECTION 2 GENERAL

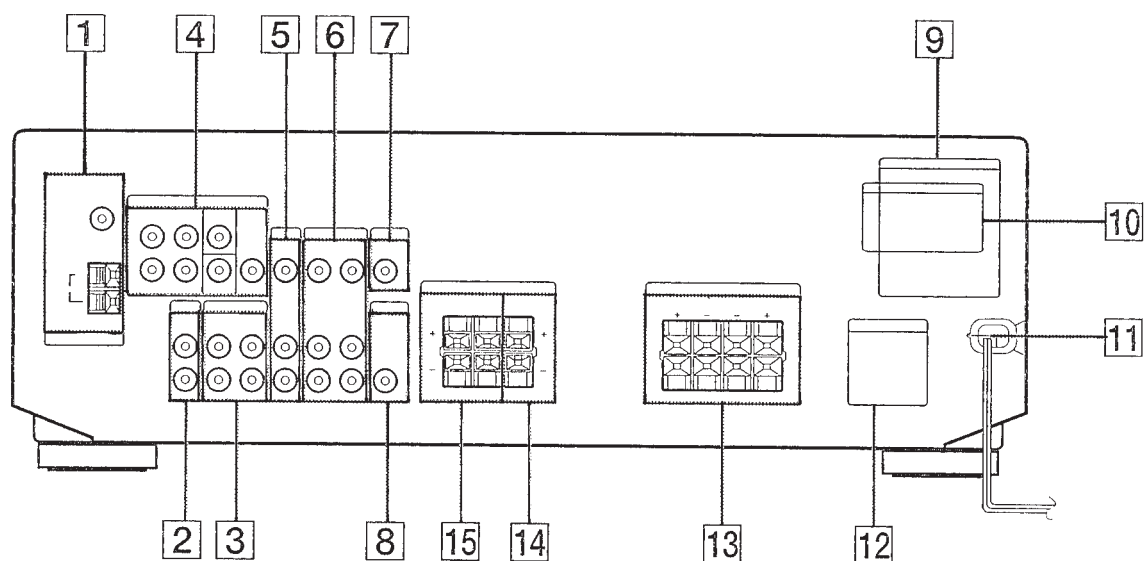
Location of controls

– Front view –



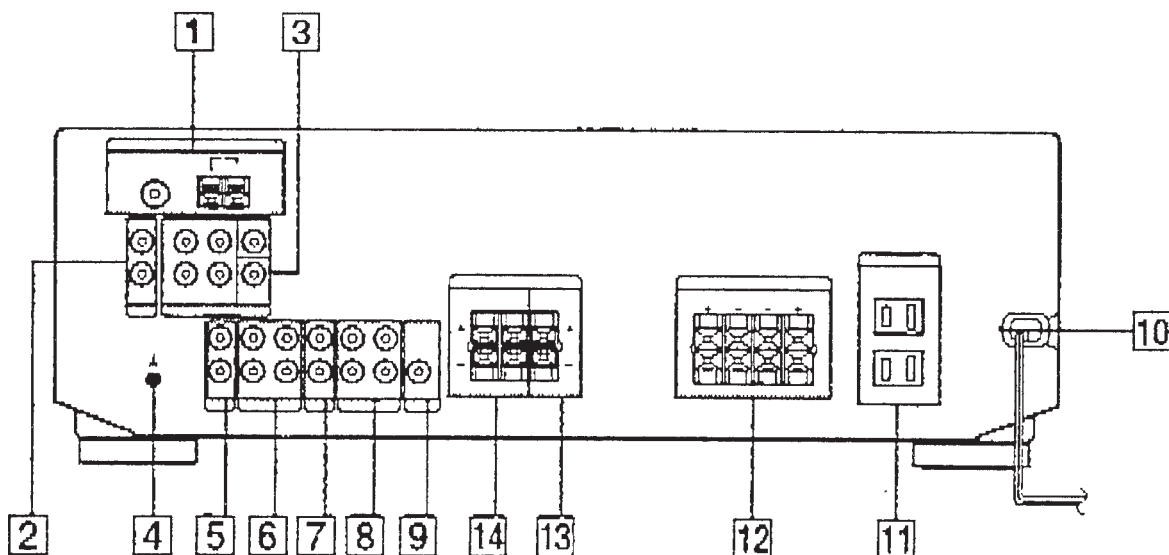
- | | | |
|--|--|---|
| 1 I/⏻ button | 10 MD/TAPE button | 25 CD button |
| 2 TUNING +, – buttons | 11 5.1 CH/DVD button and indicator | 26 TUNER button |
| 3 DISPLAY button | 12 SOUND FIELD + MODE, ON/OFF, – MODE buttons | 27 PHONO button (SE391) |
| 4 PRESET/TUNING +, – buttons
(EXCEPT AEP model)
PRESET/PTY SELECT +, – buttons
(AEP model) | 13 SET UP button and indicator | 28 EFFECT/DELAY button and indicator |
| 5 RDS PTY button (AEP model) | 14 CINEMA indicator | 29 CENTER button and indicator |
| 6 AM button (EXCEPT AEP models)
RDS EON button (AEP model) | 15 VIRTUAL indicator | 30 – button |
| 7 FM button (EXCEPT AEP models)
FM/AM button (AEP model) | 16 MUSIC indicator | 31 + button |
| 8 VIDEO button | 17 BASS BOOST button and indicator | 32 REAR button and indicator |
| 9 TV/SAT button
(US, Canadian, Australian models)
TV/LD button
(AEP, E, Malaysia, Singapore, Chinese models) | 18 SPEAKERS A, B ON/OFF buttons | 33 ENTER button |
| | 19 PHONES jack | 34 NAME button and indicator |
| | 20 SHIFT button | 35 VOLUME control |
| | 21 Numeric buttons | 36 MUTING button and indicator |
| | 22 DIRECT button | 37 TREBLE control |
| | 23 MEMORY button | 38 BASS control |
| | 24 FM MODE button | 39 BALANCE control |

– Rear View –
STR-DE335/V323



- | | | |
|---|---|-----------------------------------|
| 1 ANTENNA (AM/FM) | 6 VIDEO | 11 AC power cord |
| 2 CD | 7 MONITOR | 12 SWITCHED AC OUTLET |
| 3 MD/TAPE | 8 WOOFER | (US, Canadian, E, Chinese models) |
| 4 5.1 CH/DVD | 9 SWITCHED AC OUTLET | 13 SPEAKERS FRONT (A/B) |
| 5 TV/SAT (US, Canadian, Australian models) | (Malaysia, Singapore, Australian, Chinese models) | 14 SPEAKERS CENTER |
| TV/LD (AEP, E, Malaysia, Singapore, Chinese models) | 10 VOLTAGE SELECTOR (E model) | 15 SPEAKERS REAR |

STR-SE391

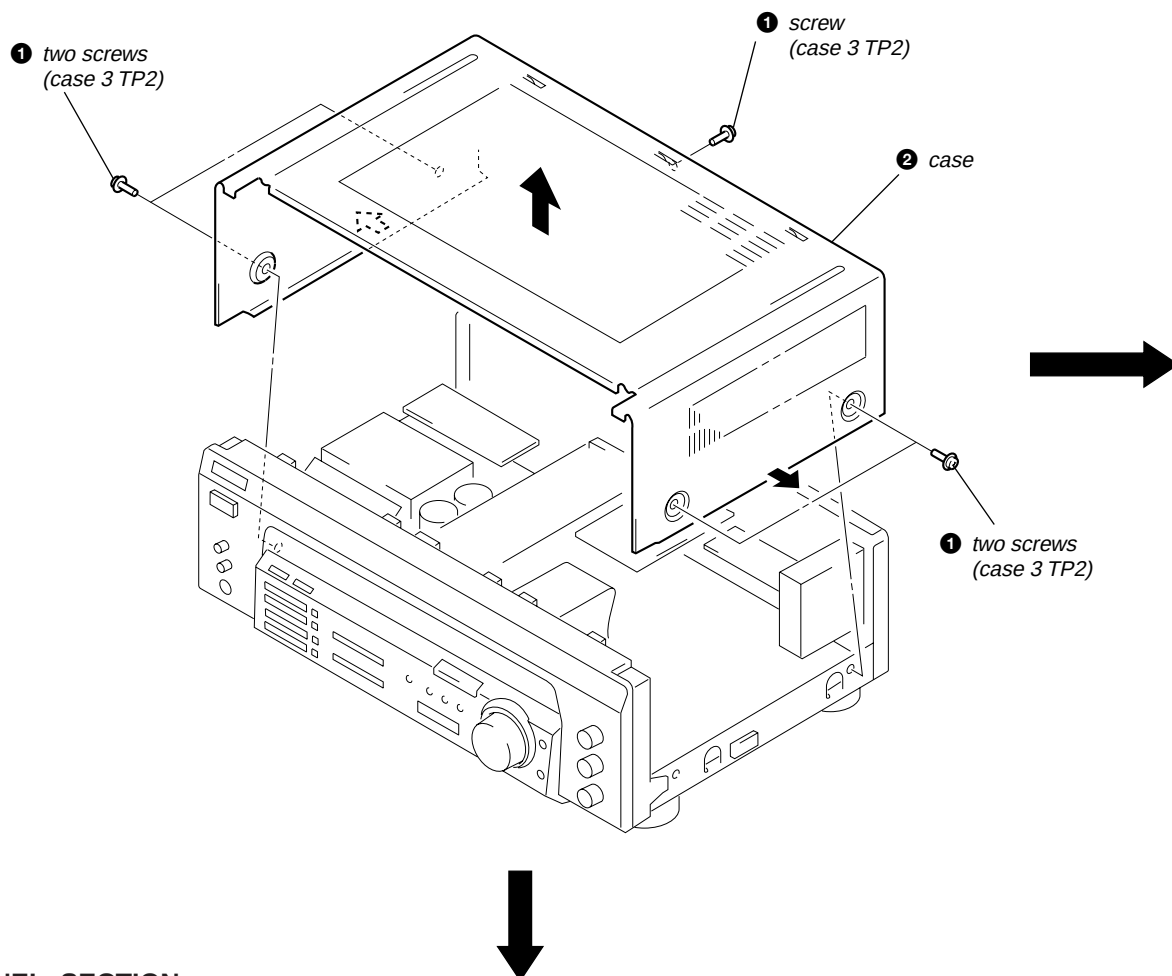


- | | | |
|---------------------------|------------------|-------------------------|
| 1 ANTENNA (AM/FM) | 6 MD/TAPE | 11 SWITCHED AC OUTLET |
| 2 PHONO | 7 TV/SAT | 12 SPEAKERS FRONT (A/B) |
| 3 5.1 CH/DVD | 8 VIDEO | 13 SPEAKERS CENTER |
| 4 $\perp$ ground terminal | 9 WOOFER | 14 SPEAKERS REAR |
| 5 CD | 10 AC power cord | |

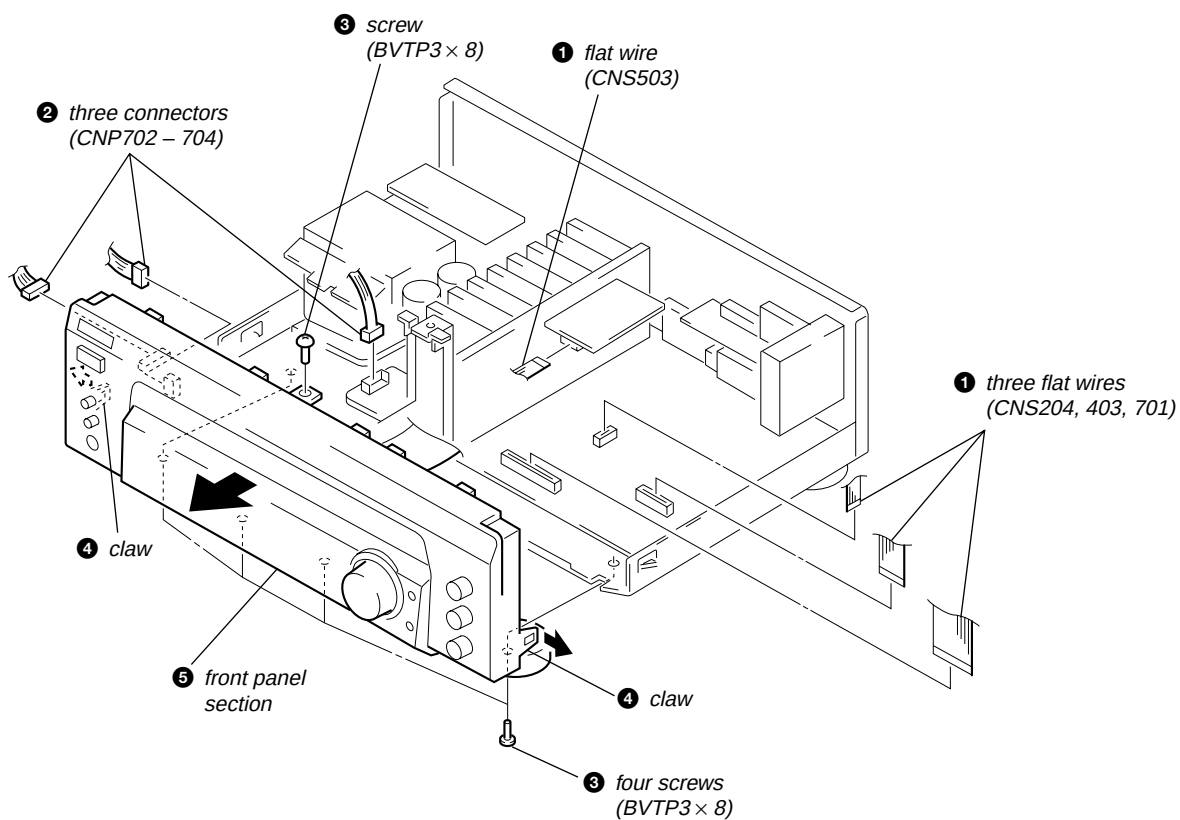
SECTION 3 DISASSEMBLY

Note: Follow the disassembly procedure in the numerical order given.

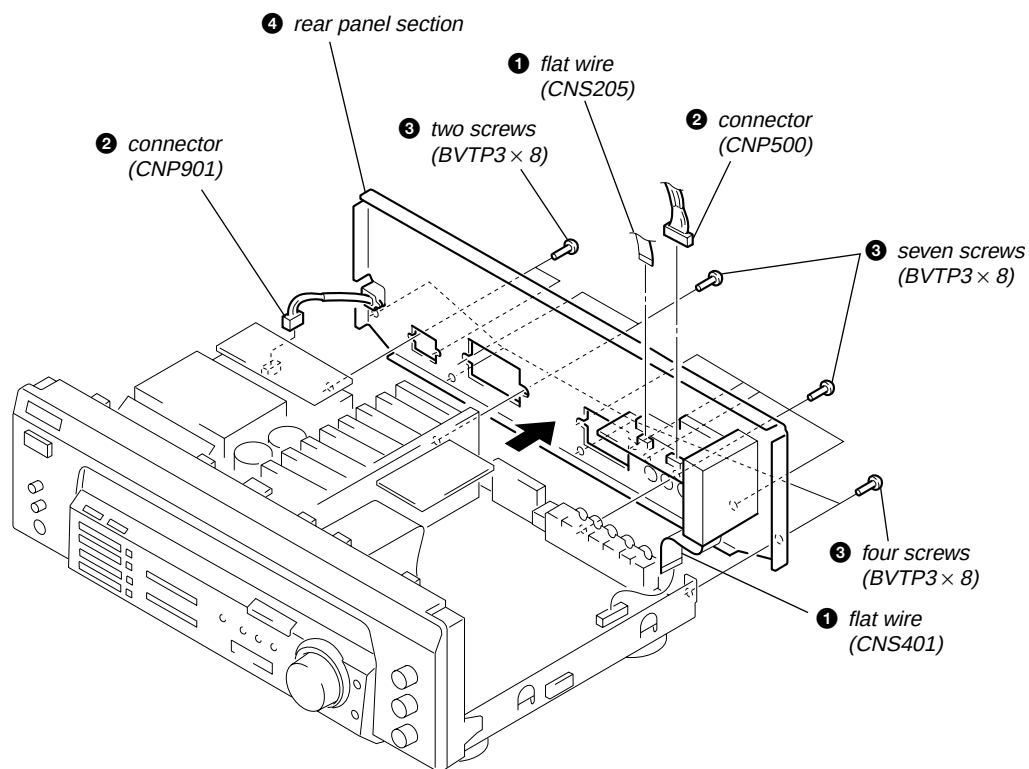
CASE



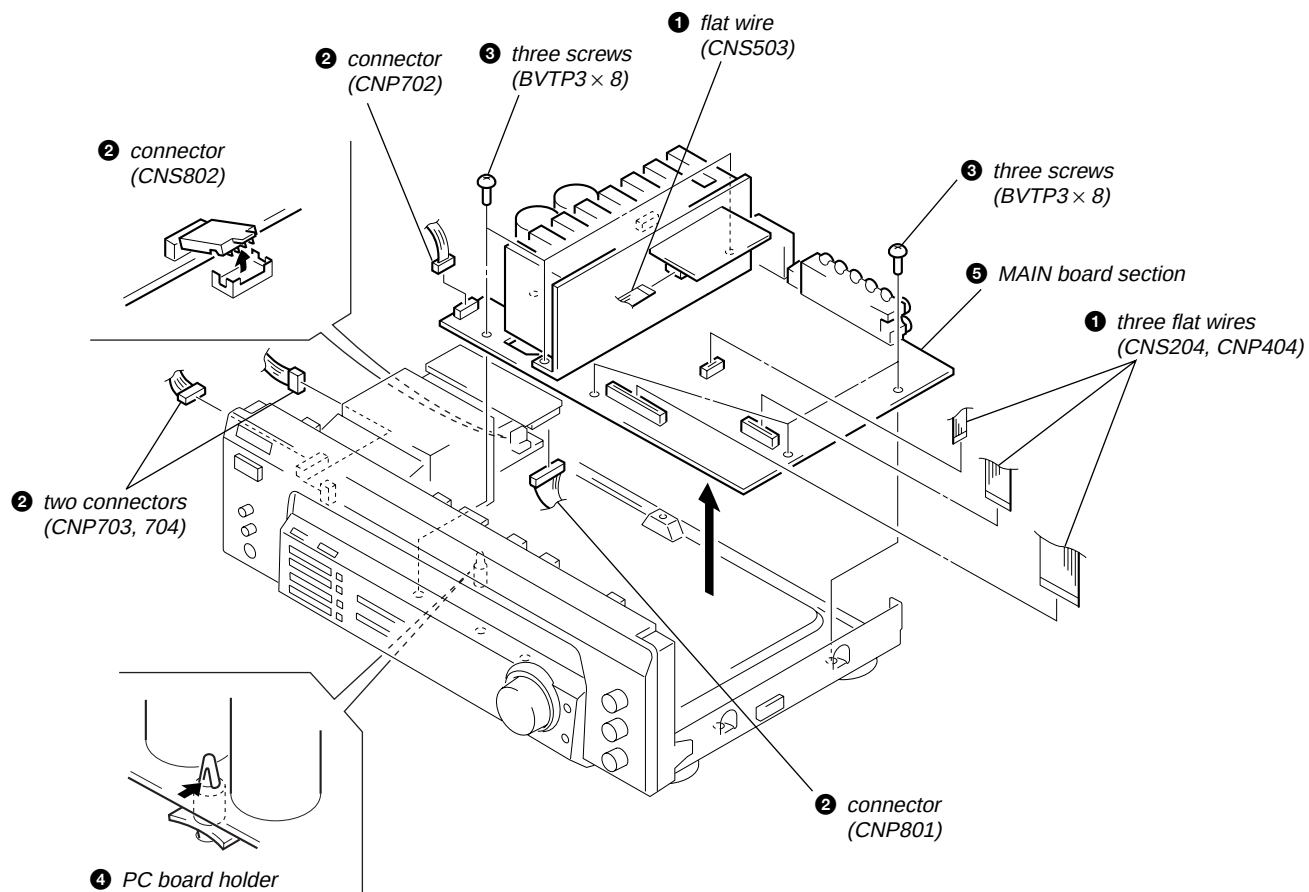
FRONT PANEL SECTION



REAR PANEL SECTION



MAIN BOARD SECTION



SECTION 4 TEST MODE

Initialization Mode

All preset contents are cleared when this mode is activated. When returning the unit to the customer after completing repairs, perform this operation to clear the unit.

Procedure:

1. While pressing two buttons of **TUNER** and **MD/TAPE** simultaneously, press the **I/⏻** button to turn the power ON.
2. The message "INITIAL" appears and initialization is performed.

Fluorescent Indicator Tube Test Mode

All fluorescent segments are tested. When this test is activated, all segments turn on at the same time, then each segment turns on one after another.

Procedure:

1. While pressing two buttons of **TV/SAT** (US , Canadian and Australian models)* and **DIRECT** simultaneously, press the **I/⏻** button to turn the power ON.
 2. All segments turn on at the same time, then each segment and LED turns on one after another.
 3. The message "FINISH" appears when this test is complete.
- *) Except US, Canadian and Australian models are **TV/LD**

AUTO-BETICAL Check Mode (AEP model)

To auto-scanning and memories of RDS station.

Procedure:

1. While pressing the **MEMORY** button, press the **I/⏻** button to turn the power ON.
2. The message "AUTO BET" appears and each function is selected one after another.

AM Tuning Interval Selection Mode (US, Canadian and E models)

Either 9 kHz step or 10 kHz step can be selected for the AM tuning interval.

Procedure:

1. Set the FUNCTION to AM.
2. Press the **I/⏻** button to turn the power OFF.
3. While pressing the **TUNING+** or **PRESET+** button, press the **I/⏻** button to turn the power ON.
4. Either the message "10 k STEP" or "10k STEP" appears.
5. Select the desired step.

Software Version Display Mode

The software version is displayed.

Procedure:

1. While pressing two the buttons of **MD/TAPE** and **DIRECT** simultaneously, press the **I/⏻** button to turn the power ON.
2. The software version is displayed.

SOUND FIELD Setting Clear Mode

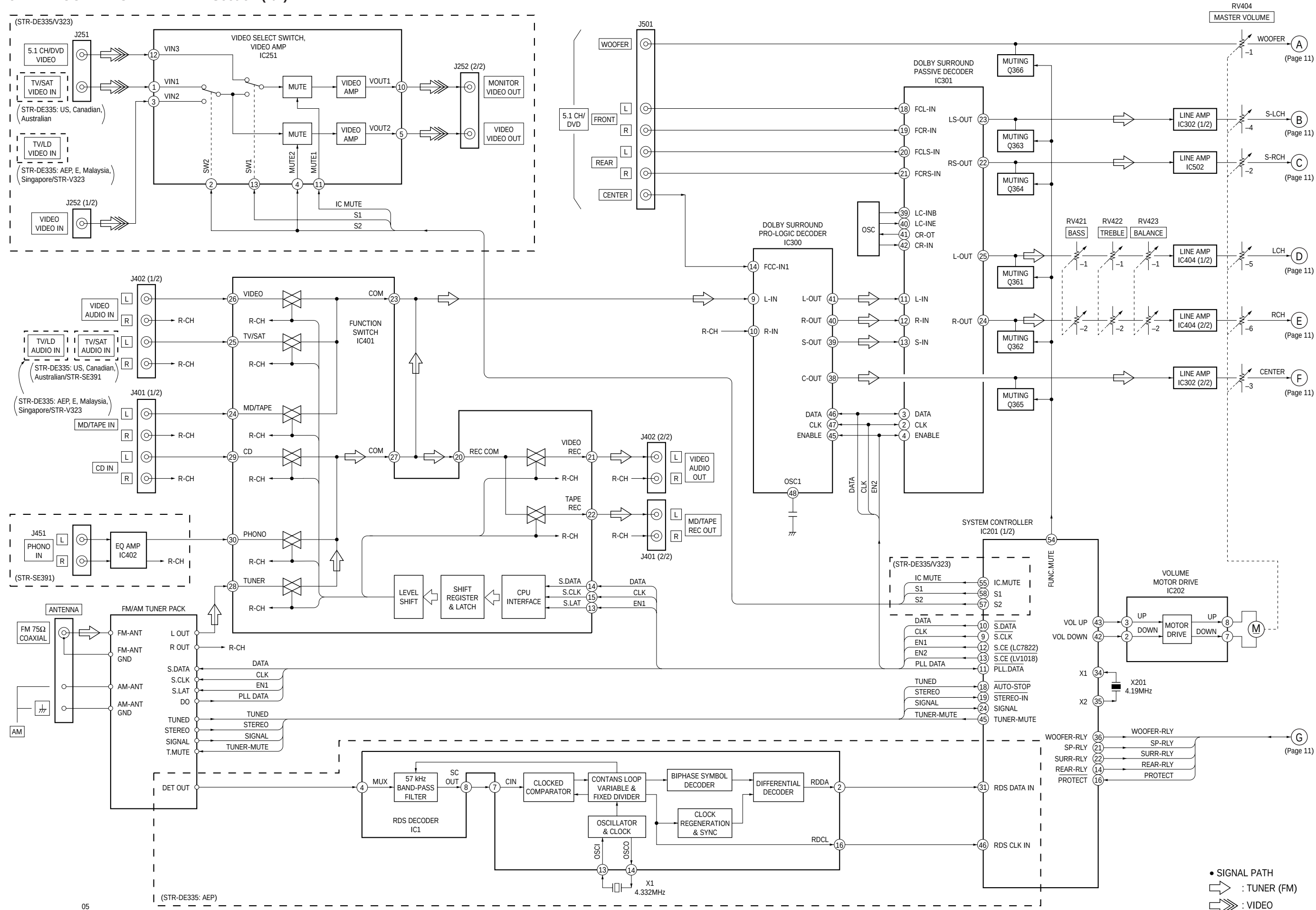
All SOUND FIELD setting are cleared.

Procedure:

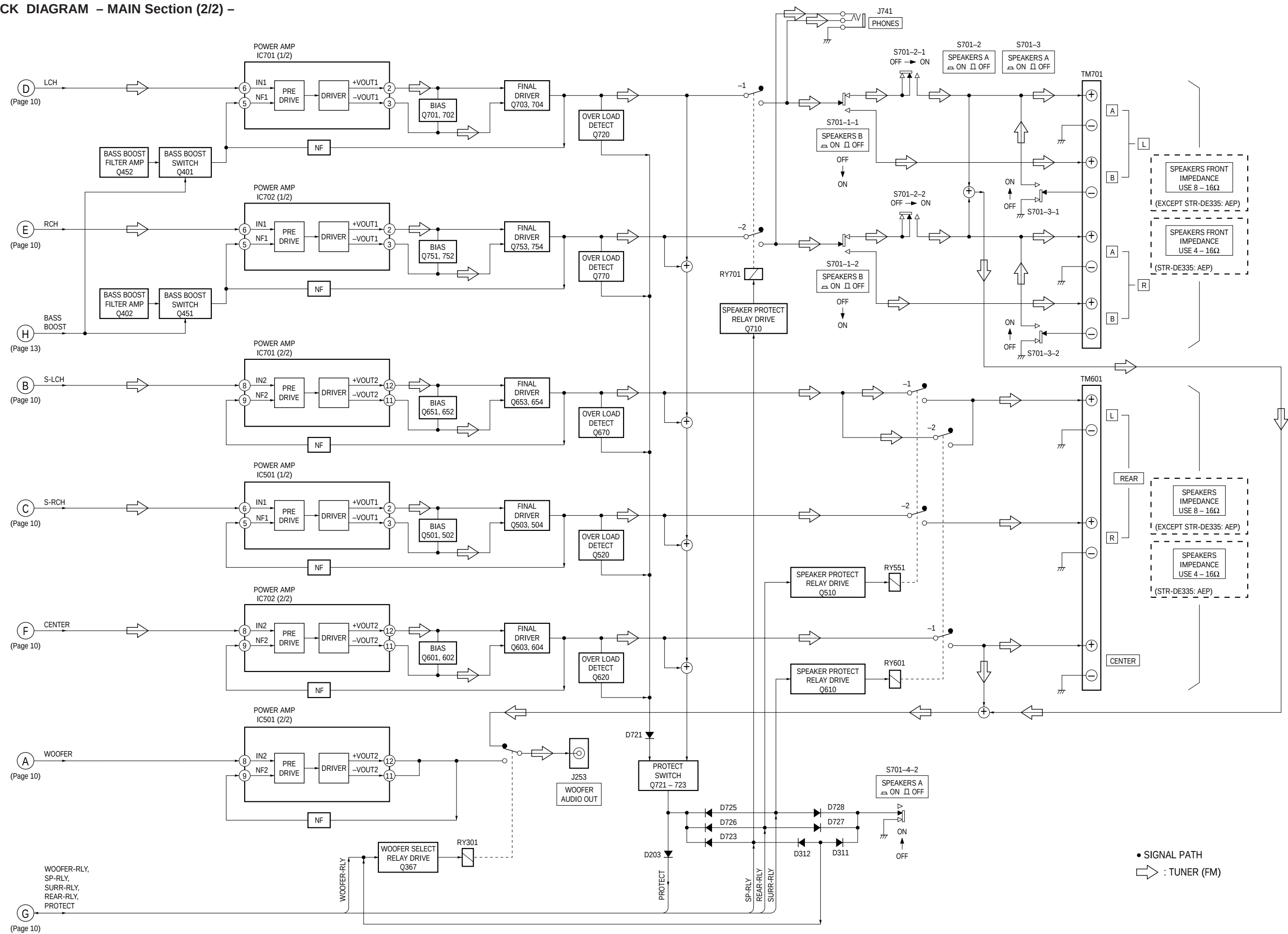
1. While pressing the **SOUND FIELD ON/OFF** button, press the **I/⏻** button to turn the power ON.
2. The message "SURR CLR" appears and all SOUND FIELD setting are cleared.

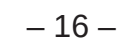
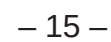
SECTION 5 DIAGRAMS

5-1. BLOCK DIAGRAM – MAIN Section (1/2) –



5-2. BLOCK DIAGRAM – MAIN Section (2/2) –



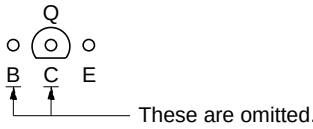
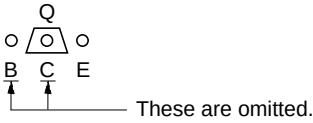


5-4. NOTE FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

Note on Printed Wiring Board:

- — : parts extracted from the component side.
- ▨ : Pattern from the side which enables seeing.
(The other layers' patterns are not indicated.)

- Indication of transistor.



Note on Schematic Diagram:

- All capacitors are in μF unless otherwise noted. pF : $\mu\mu\text{F}$ 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4} \text{ W}$ or less unless otherwise specified.
- $\triangle$: internal component.
- $\square$: nonflammable resistor.
- $\square$: fusible resistor.
- $\square$: panel designation.

Note:

The components identified by mark $\triangle$ or dotted line with mark $\triangle$ are critical for safety. Replace only with part number specified.

Note:

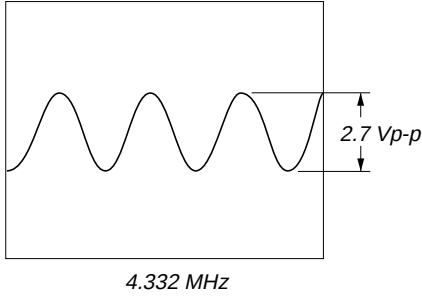
Les composants identifiés par une marque $\triangle$ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

以阴影和 $\triangle$ 标志来识别的零部件在安全方面具有关键性。因此只能以规定号码的零部件来更换。

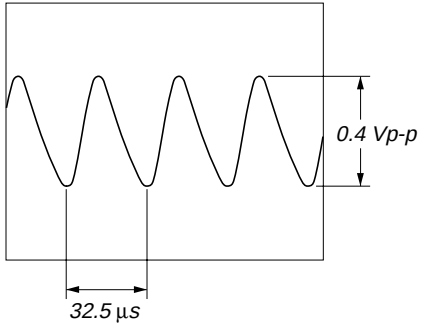
- $\square$: B+ Line.
- $\square$: B- Line.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
no mark : TUNER (FM)
- Voltages are taken with a VOM (Input impedance $10 \text{ M}\Omega$). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
 $\Rightarrow$: TUNER (FM)
 $\Rightarrow$: VIDEO
- Abbreviation
AUS : Australian model
CND : Canadian model
MY : Malaysia model
SP : Singapore model

• Waveforms
– MAIN Board –

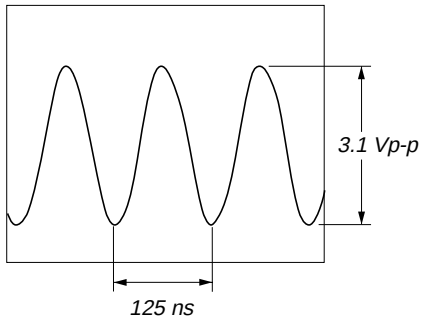
① IC1 ⑬ (OSCI)



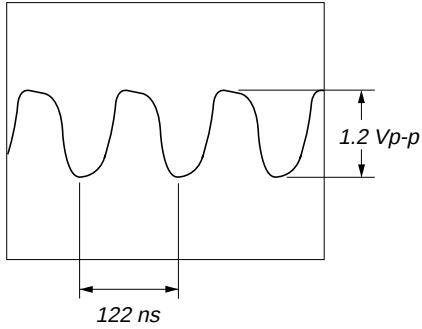
② IC300 ④⑧ (OSC1) (Change DOLBY Mode)



③ IC301 ④⑩ (LC-INE)

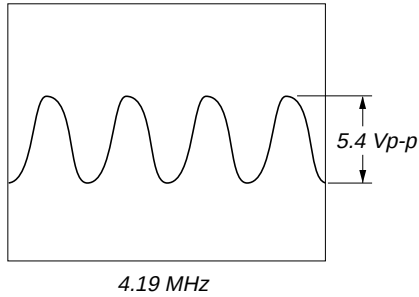


④ IC301 ④⑪ (CR-OT)

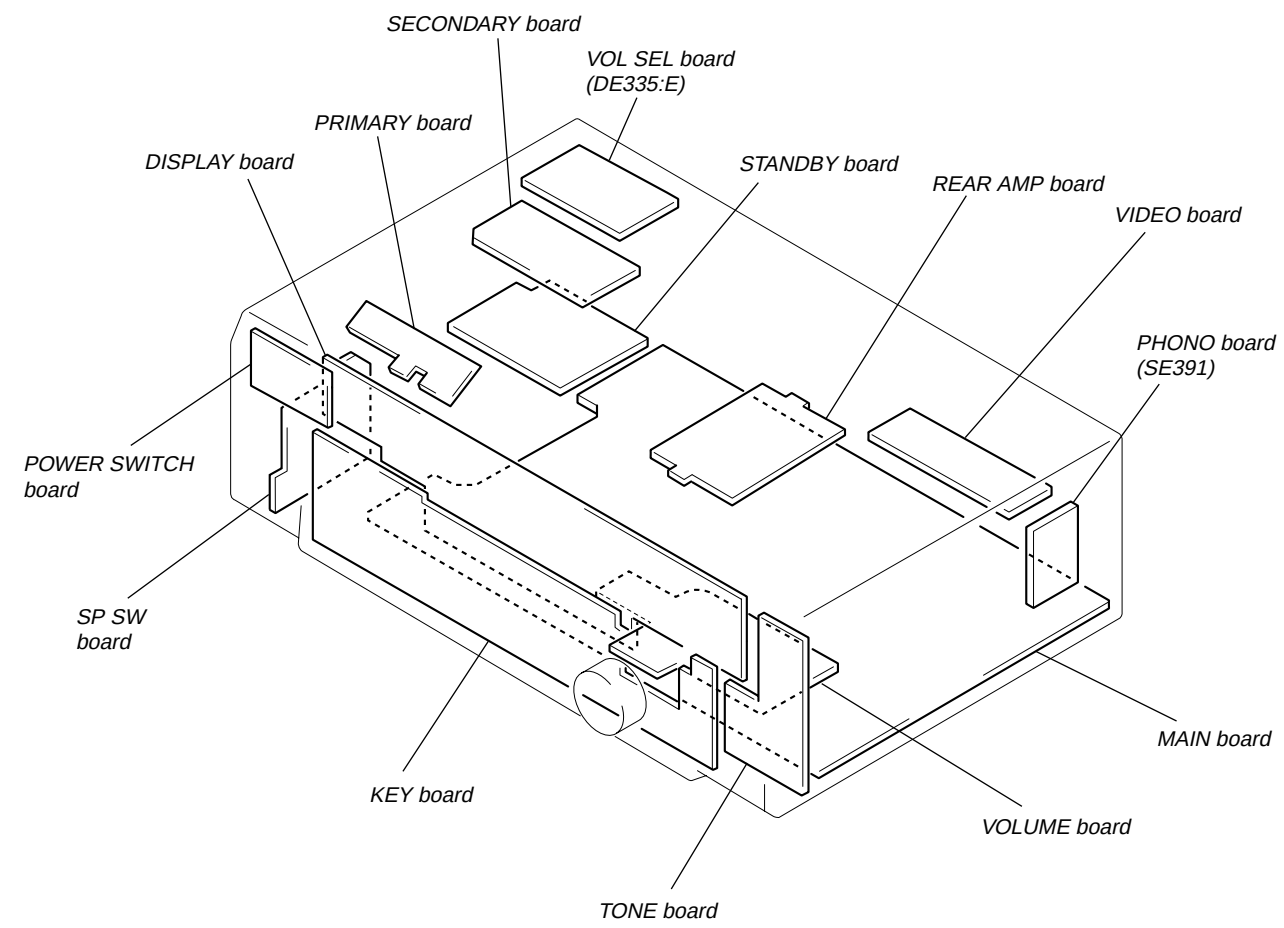


– DISPLAY Board –

① IC201 ③⑤ (X2)



• **Circuit Boards Location**

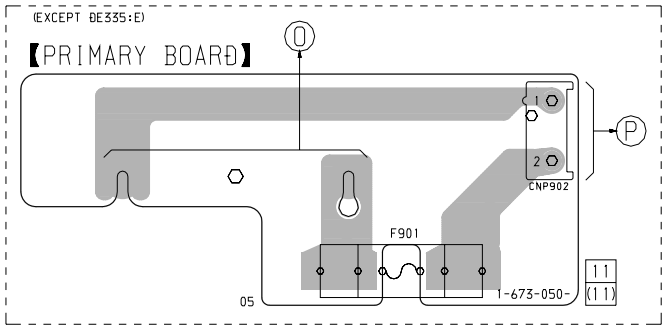
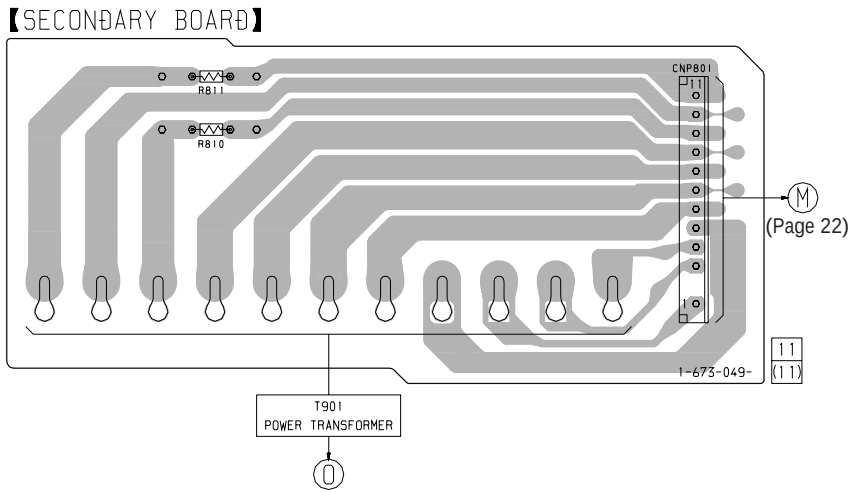
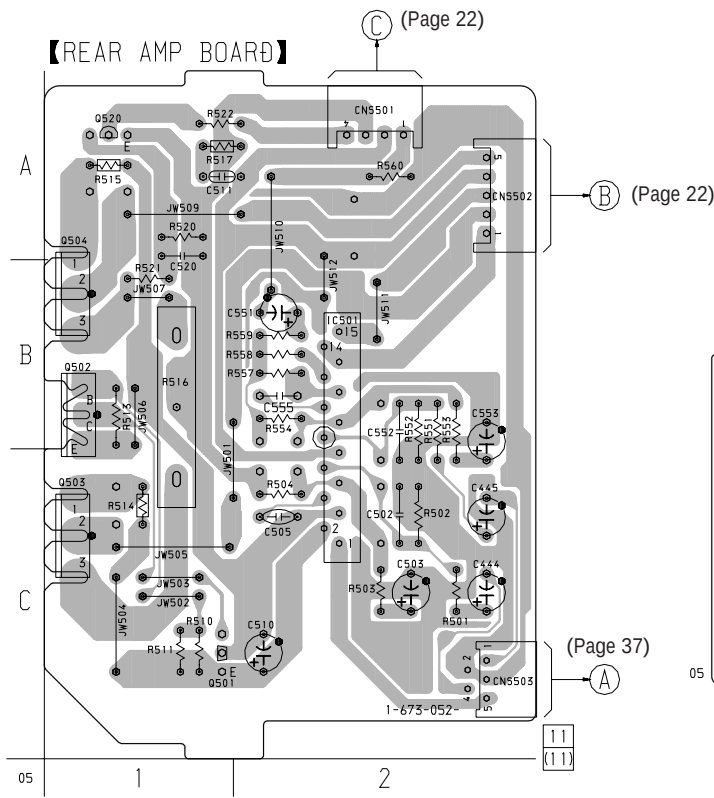




5-6. PRINTED WIRING BOARDS – REAR AMP Board/SP SW Board/SECONDARY Board/STANDBY Board/ PRIMARY Board/VOL SEL Board – • See page 19 for Circuit Boards Location.

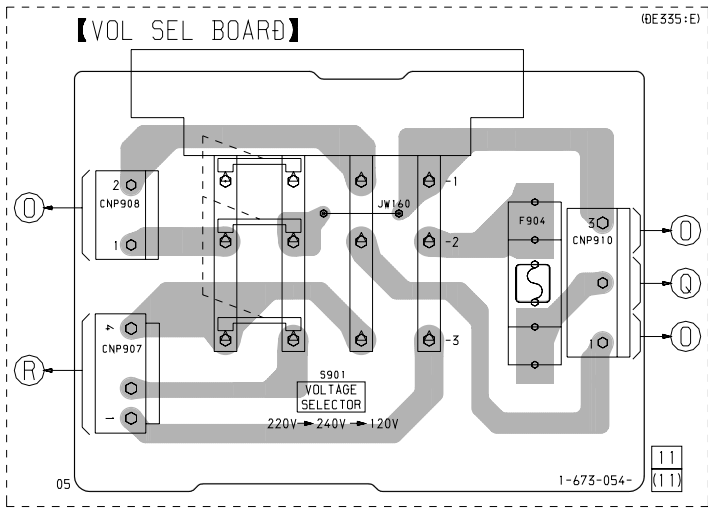
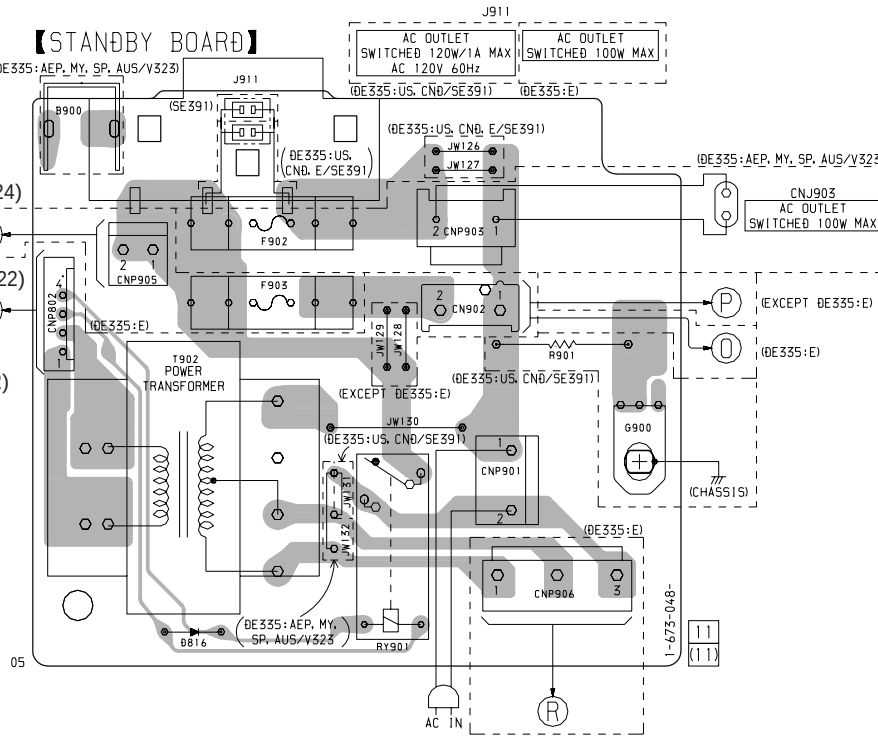
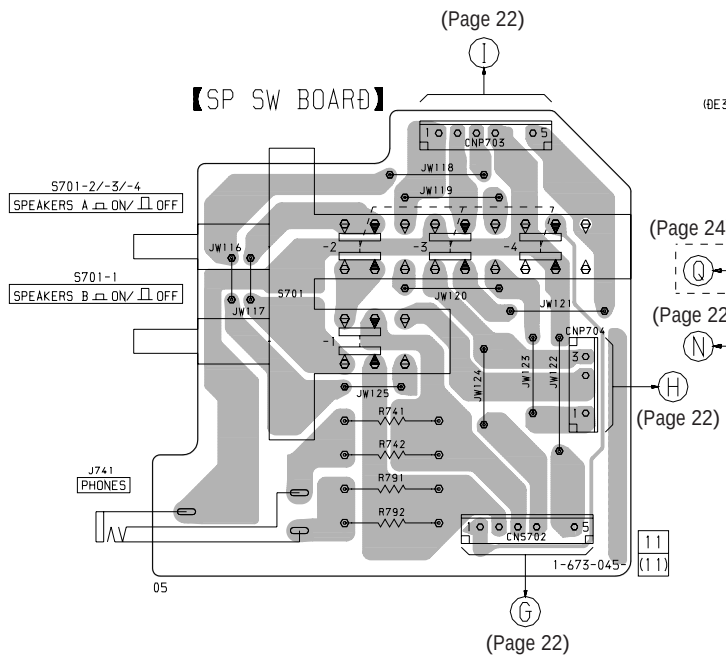
• Semiconductor Location

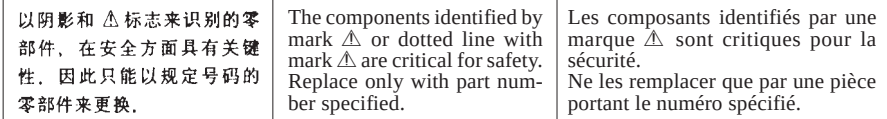
Ref. No.	Location
IC501	B-2
Q501	C-1
Q502	B-1
Q503	C-1
Q504	B-1
Q520	A-1



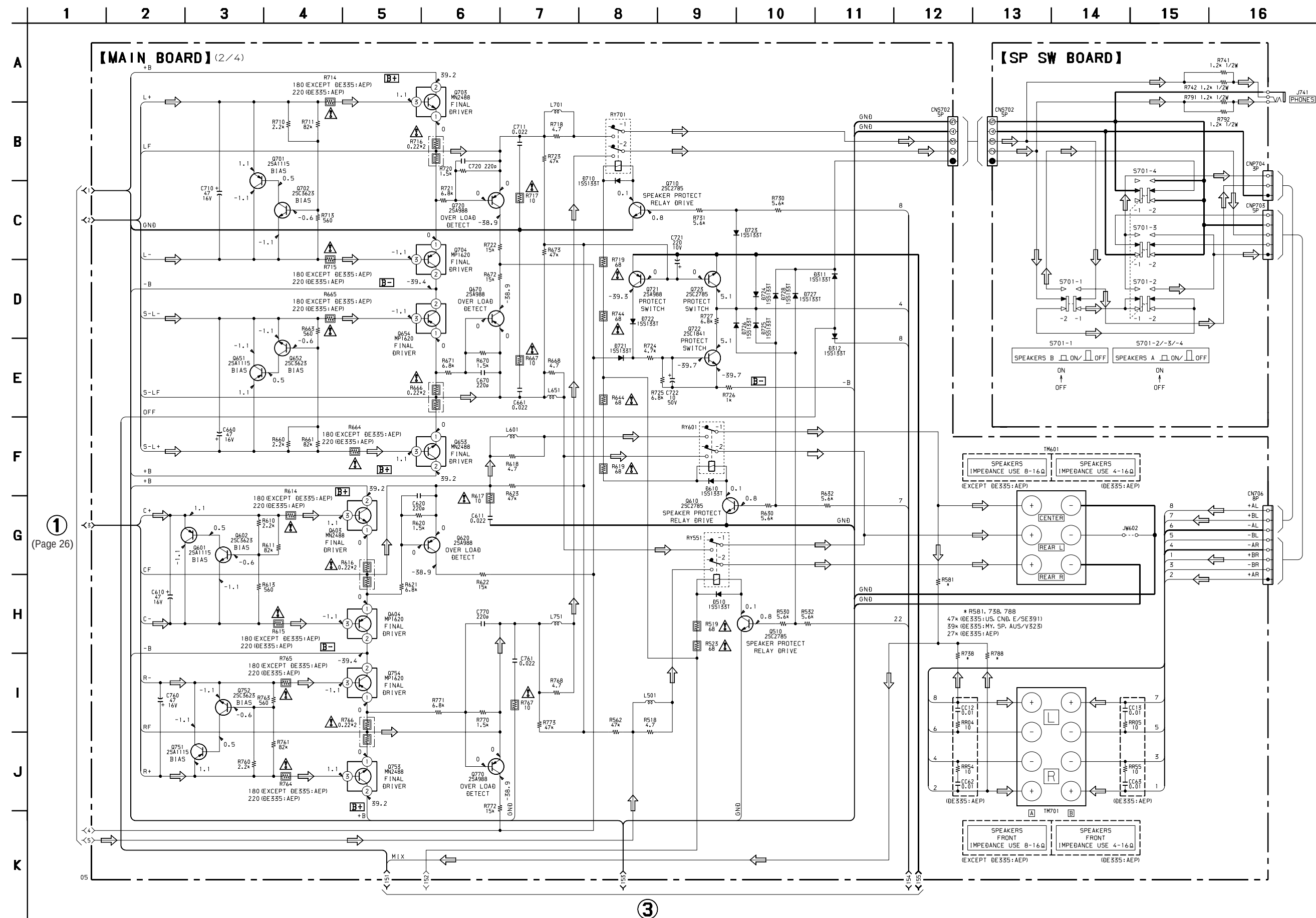
• Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D300	G-3	IC805	D-3
D310	C-5	IC950	A-10
D311	H-7		
D312	H-6	Q361	H-2
D421	H-6	Q362	H-2
D510	B-6	Q363	H-2
D610	B-6	Q364	H-2
D710	H-11	Q365	H-2
D721	G-5	Q366	H-1
D722	G-5	Q367	C-6
D723	H-5	Q401	H-6
D724	G-5	Q402	C-6
D725	G-5	Q451	E-7
D726	G-5	Q452	H-5
D727	H-5	Q510	B-6
D728	H-5	Q601	C-7
D801	H-7	Q602	B-8
D802	D-12	Q603	C-8
D803	E-12	Q604	B-8
D804	H-7	Q610	B-6
D810	B-13	Q620	C-7
D811	B-13	Q651	F-8
D812	B-12	Q652	F-8
D813	B-12	Q653	F-8
D814	B-12	Q654	E-8
D815	B-12	Q670	F-8
D818	C-13	Q701	H-7
D820	C-12	Q702	H-8
D821	C-12	Q703	H-8
D822	C-12	Q704	G-8
D823	C-12	Q710	H-11
		Q720	G-7
IC1	B-1	Q721	G-5
IC300	E-3	Q722	G-6
IC301	G-4	Q723	G-5
IC302	F-1	Q751	D-7
IC401	B-3	Q752	D-8
IC502	F-2	Q753	E-8
IC701	G-7	Q754	D-8
IC702	C-7	Q770	D-7
IC801	D-5	Q801	H-8
IC802	D-5	Q802	B-13
IC803	A-2	Q809	C-13
IC804	E-5	Q951	A-10





5-8. SCHEMATIC DIAGRAM – MAIN Board (2/4)/SP SW Board –

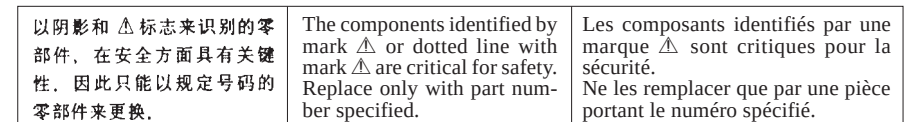


以阴影和 Δ 标志来识别的零部件，在安全方面具有关键性。因此只能以规定号码的零部件来更换。

The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

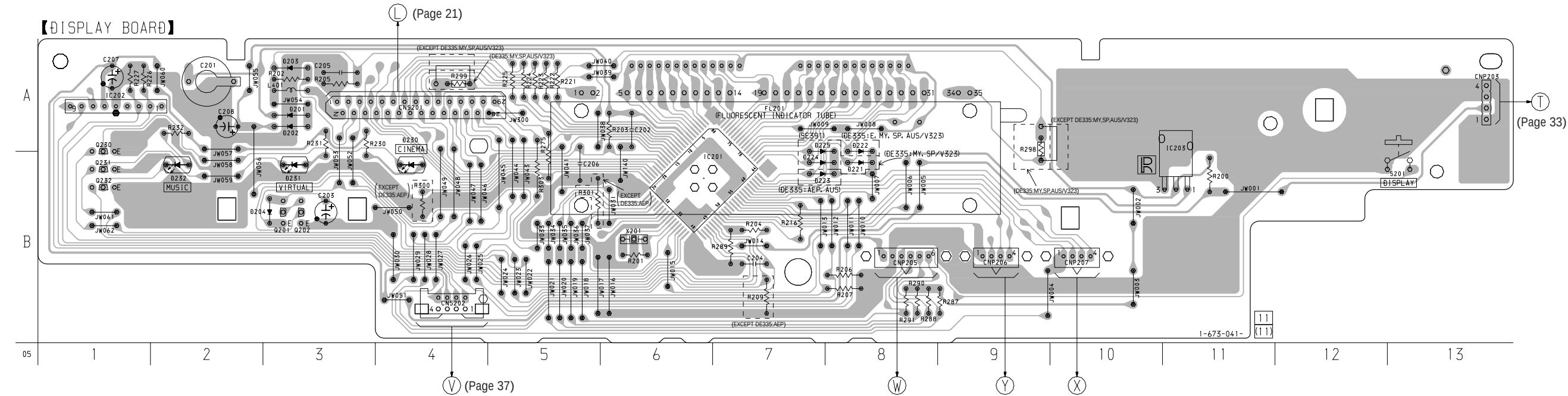


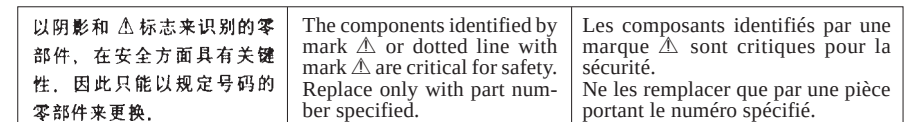


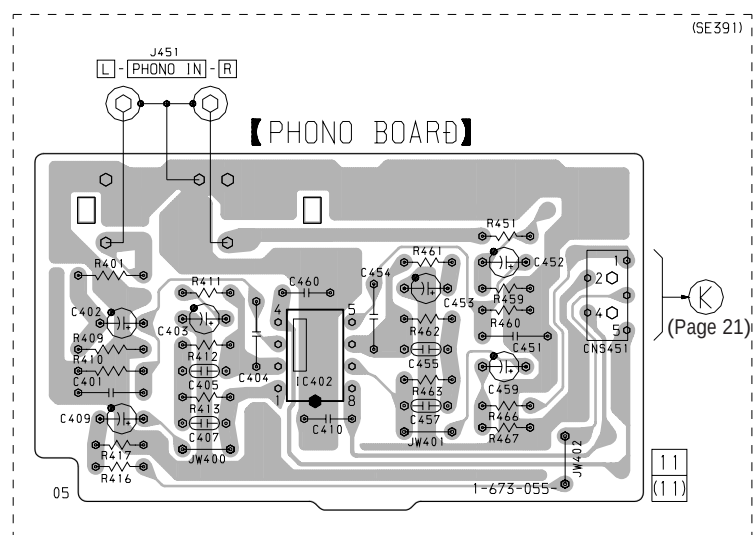
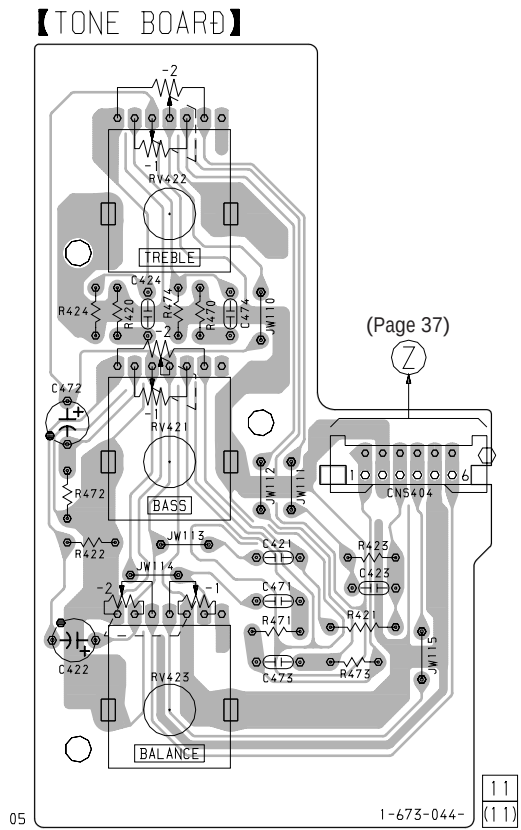
5-11. PRINTED WIRING BOARD – PANEL Section – • See page 19 for Circuit Boards Location.

Semiconductor Location

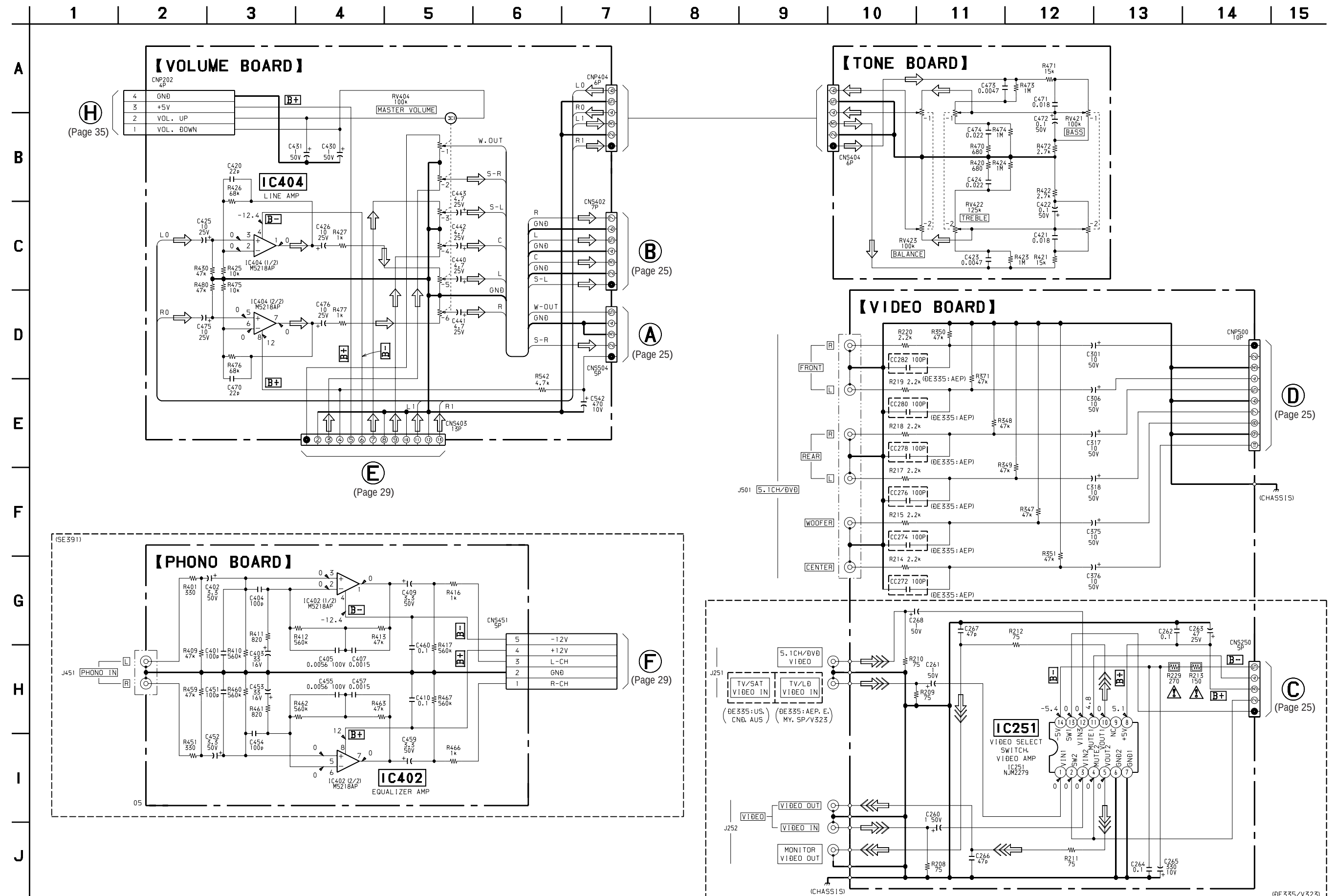
Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D201	A-3	D225	A-7	Q201	B-3
D202	A-3	D230	B-4	Q202	B-3
D203	A-3	D231	B-3	Q230	A-1
D204	B-3	D232	B-2	Q231	B-1
D221	B-8			Q232	B-1
D222	A-8	IC201	B-6		
D223	B-7	IC202	A-1		
D224	B-7	IC203	B-11		







5-14. SCHEMATIC DIAGRAM – VOLUME Board/TONE Board/VIDEO Board/PHONO Board – • See page 43 for IC Block Diagram.



以阴影和 Δ 标志来识别的零
部件、在安全方面具有关键
性。因此只能以规定号码的
零部件来更换。

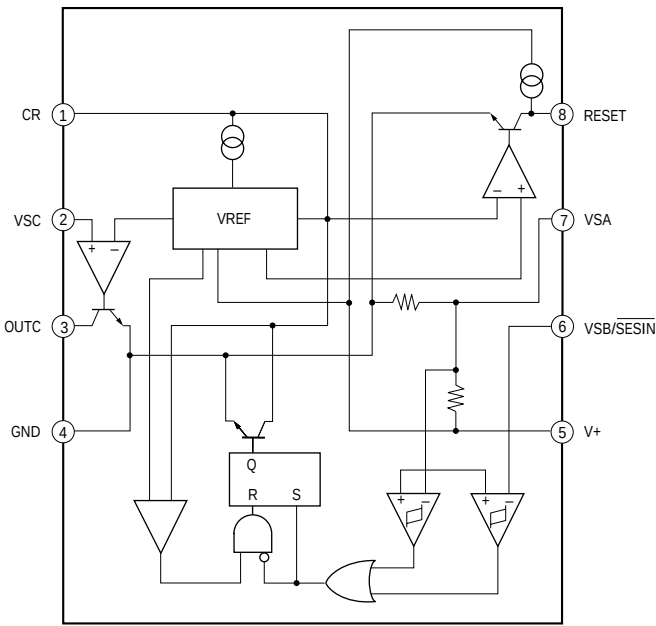
The components identified by
mark Δ or dotted line with
mark Δ are critical for safety.
Replace only with part num-
ber specified.

Les composants identifiés par une
marque Δ sont critiques pour la
sécurité.
Ne les remplacer que par une pièce
portant le numéro spécifié.

IC1 BU1922 (STR-DE335: AEP model)

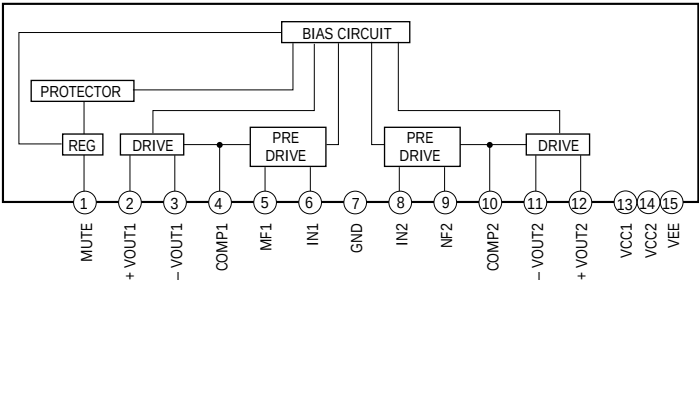


IC950 NJM2103D



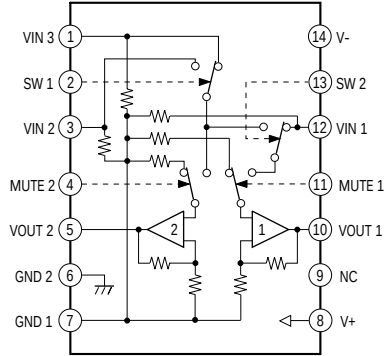
– REAR AMP Board –

IC501 μPC2581V



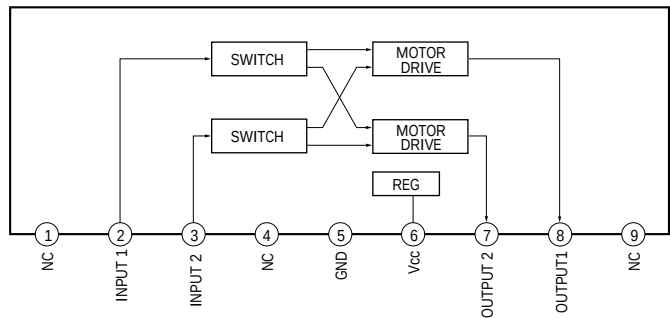
– VIDEO Board (STR-DE335/V323) –

IC251 NJM2279D



– DISPLAY Board –

IC202 BA6208



5-15. IC PIN FUNCTION DESCRIPTION

• DISPLAY BOARD IC201 μ PD78045FGF-082-3B9 (SYSTEM CONTROLLER, FL DRIVER)

Pin No.	Pin Name	I/O	Description
1 to 7	DIG7 to DIG1	O	Digit drive signal output to the fluorescent indicator tube (FL201)
8	VDD	—	Power supply terminal (+5V)
9	$\overline{\text{S.CLK}}$	O	Serial data transfer clock signal output to the dolby surround pro-logic circuit (IC300, 301), LC78212 (IC401) and PLL IC on FM/AM tuner pack “L” active
10	$\overline{\text{S.DATA}}$	O	Serial data output to the dolby surround pro-logic circuit (IC300, 301), LC78212 (IC401) and PLL IC on FM/AM tuner pack “L” active
11	$\overline{\text{PLL.DATA}}$	I	Serial data input from the PLL IC on FM/AM tuner pack “L” active
12	S.CE (LC7822)	O	Serial chip enable signal output to the LC78212 (IC401), PLL IC on FM/AM tuner pack “H” active
13	$\overline{\text{S.CE}}$ (LV1018)	O	Serial chip enable signal output to the dolby surround pro-logic circuit (IC300, 301) “L” active
14	REAR-RLY	O	Speaker protect relay drive signal output for the rear side speaker “H”: relay on
15	BRIDGE-RLY	O	Bridgeable relay drive signal output terminal “H”: relay on
16	$\overline{\text{PROTECT}}$	I	Over load detect signal input from the protect circuit “L”: protect detect
17	$\overline{\text{RESET}}$	I	System reset signal input from the reset signal generator (IC950, Q201) “L”: reset For several hundreds msec. after the power supply rises, “L” is input, then it changes to “H”
18	$\overline{\text{AUTO-STOP}}$	I	Tuned display detection signal input from the FM/AM tuner pack “L”: tuned
19	$\overline{\text{STEREO-IN}}$	I	Stereo detection signal input from the FM/AM tuner pack “L”: stereo
20	AVSS	—	Ground terminal (for A/D converter analog system)
21	SP-RLY	O	Speaker protect relay drive signal output for the front side speaker “H”: relay on
22	SURR-RLY	O	Speaker protect relay drive signal output for the surround speaker “H”: relay on
23	POWER-RLY	O	Relay drive signal output for the power on/off control “H”: relay on
24	SIGNAL	I	FM and AM signal meter voltage detection signal input from the FM/AM tuner pack
25	A/D-4	I	Key input terminal (A/D input) S234 to S244 (SET UP, NAME, ENTER, +, –, EFFECT/DELAY, CENTER, REAR, MODE +, SOUND FIELD ON/OFF, MODE –) keys input
26	A/D-3	I	Key input terminal (A/D input) S222 to S226, S220, S221, S229 to S232 (BASS BOOST, MUTING, SHIFT, 0, MEMORY, CD, MD/TAPE, TV/SAT or TV/LD, RDS PTY, 5.1CH/DVD) keys input (S220 CD key: used for the except STR-SE391) (S221 CD key: used for the STR-SE391 only) (S231 RDS PTY key: used for the STR-DE335 AEP model only)
27	A/D-2	I	Key input terminal (A/D input) S211 to S219, S227, S228, S245 (FM or FM/AM, 6, 5, 4, 7, 8, 9, FM MODE, VIDEO, TUNER, PHONO) keys input (S227 TUNER key: used for the except STR-SE391) (S228 TUNER key: used for the STR-SE391 only) (S245 PNO key: used for the STR-SE391 only)
28	A/D-1	I	Key input terminal (A/D input) S201 to S210 (DISPLAY, AM or RDS EON, 3, 2, 1, TUNING –/+, PRESET TUNING –/+ or PRESET/PTY SELECT –/+, DIRECT) keys input
29	AVDD	—	Power supply terminal (+5V) (for A/D converter analog system)
30	AVREF	I	Reference voltage (+5V) input terminal (for A/D converter)
31	RDS DATA IN	I	RDS data input from the RDS decoder (IC1) (Used for the STR-DE335 AEP model only) Except STR-DE335 AEP model: Not used (fixed at “L”)
32	OPEN	—	Not used (open)
33	GND	—	Ground terminal
34	X1	I	Main system clock input terminal (4.19 MHz)
35	X2	O	Main system clock output terminal (4.19 MHz)
36	WOOFER-RLY	O	Relay drive signal output for the woofer speaker “H”: relay on
37	LED SELECT	O	LED select signal output terminal “H” active

Pin No.	Pin Name	I/O	Description
38	PROLOGIC LED	O	LED drive signal output of the CINEMA (D230) indicator “H”: LED on
39	C.STUDIO LED	O	LED drive signal output of the VIRTUAL (D231) indicator “H”: LED on
40	HALL LED	O	LED drive signal output of the MUSIC (D232) indicator “H”: LED on
41	ENTER LED	I	Not used (fixed at “L”)
42	VOL DOWN	O	Motor drive signal (volume down direction) output to the volume motor drive (IC202) “H” active
43	VOL UP	O	Motor drive signal (volume up direction) output to the volume motor drive (IC202) “H” active
44	$\overline{\text{SYS-POWER}}$	I	Power on/off switch (S200 I/Ⓛ) input terminal “L” is input when key pressing
45	TUNER-MUTE	O	Muting control signal output to the FM/AM tuner pack “H”: muting on
46	RDS CLK IN	I	RDS serial clock signal input from the RDS decoder (IC1) (Used for the STR-DE335 AEP model only) Except STR-DE335 AEP model: Not used (fixed at “L”)
47	$\overline{\text{STOP}}$	I	Power down detection signal input from the reset signal generator (IC950) “L”: power down, normally: “H”
48	VSS	—	Ground terminal
49	$\overline{\text{SIRCS}}$	I	Sircs remote control signal input from the remote control receiver (IC203)
50	MUTING LED	O	LED drive signal output of the MUTING indicator (D240) “L”: LED on
51	5.1CH LED	O	LED drive signal output of the 5.1CH/DVD (D239) indicator “L”: LED on
52	VDD	—	Power supply terminal (+5V)
53	BASS BOOST	O	Control signal output of the BASS BOOST circuit and LED drive signal output of the BASS BOOST indicator (D228) “H”: BASS BOOST on (LED on)
54	FUNC. MUTE	O	Audio line muting on/off control signal output terminal “H”: muting on
55	IC. MUTE	O	Muting on/off control signal output to the NJM2279D (IC251) “H”: muting on (Used for the STR-DE335 and STR-V323 only)
56	VERSION	I	Setting terminal for the version
57	S2	O	Video input select signal output to the NJM2279D (IC251) *1 (Used for the STR-DE335 and STR-V323 only)
58	S1	O	Video input select signal output to the NJM2279D (IC251) *1 (Used for the STR-DE335 and STR-V323 only)
59	LED1	O	LED drive signal output of the CENTER (D233) and REAR (D237) indicators “H”: LED on
60	LED2	O	LED drive signal output of the NAME (D235) and EFFECT/DELAY (D236) indicators “H”: LED on
61	LED3	O	LED drive signal output of the SET UP (D234) indicator “H”: LED on
62 to 70	S15 to S7	O	Segment drive signal output to the fluorescent indicator tube (FL201)
71	VLOAD	—	Negative power supply terminal for the fluorescent indicator tube drive (−24V)
72 to 77	S6 to S1	O	Segment drive signal output to the fluorescent indicator tube (FL201)
78 to 80	DIG10 to DIG8	O	Digit drive signal output to the fluorescent indicator tube (FL201)

*1 video input select signal

Terminal \ Input	TV/SAT (TV/LD)	VIDEO	5.1CH/DVD
S1 (pin ⑥⑧)	“H”	“H”	“L”
S2 (pin ⑥⑦)	“H”	“L”	“L”

TV/SAT: STR-DE335: US, Canadian, Australian

TV/LD: STR-DE335: AEP, E, Malaysia, Singapore/STR-V323

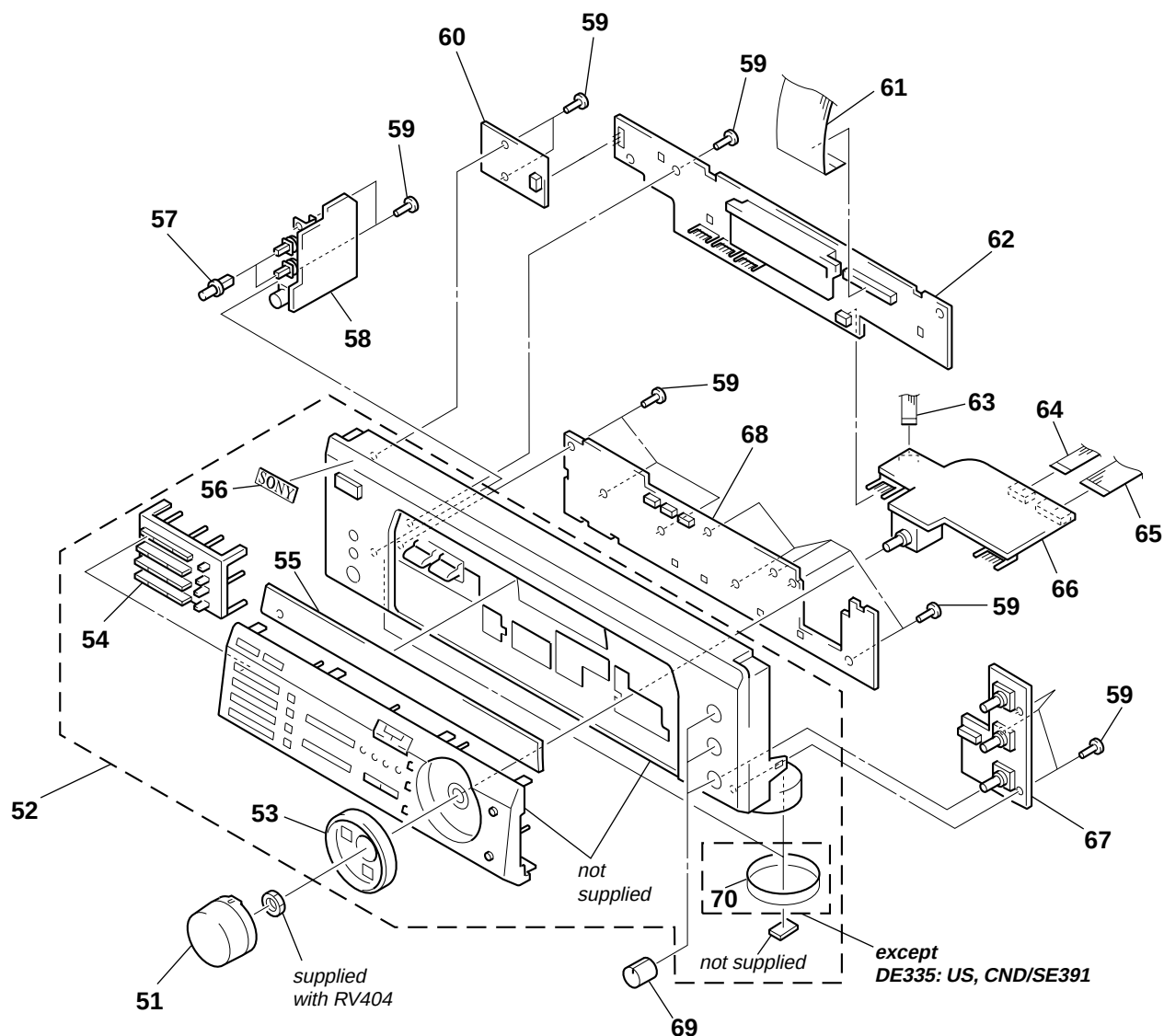
SECTION 6

EXPLODED VIEWS

NOTE:

- 46 –

(2) FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	X-4951-035-1	KNOB (VOL) ASSY		62	A-4419-135-A	DISPLAY BOARD, COMPLETE (DE335: E)	
52	X-4951-032-1	FRONT PANEL ASSY (DE335: CND)		62	A-4419-182-A	DISPLAY BOARD, COMPLETE (SE391)	
52	X-4951-075-1	FRONT PANEL ASSY (DE335: AUS)		62	A-4419-472-A	DISPLAY BOARD, COMPLETE	
52	X-4951-076-1	FRONT PANEL ASSY (DE335: E, MY)					(DE335: US, CND))
52	X-4951-089-1	FRONT PANEL ASSY (V323)		62	A-4419-744-A	DISPLAY BOARD, COMPLETE (DE335: AEP)	
52	X-4951-424-1	FRONT PANEL ASSY (DE335: US)		62	A-4419-752-A	DISPLAY BOARD, COMPLETE	
52	X-4951-426-1	FRONT PANEL ASSY (SE391)					(DE335: MY, SP/V323)
52	X-4951-499-1	FRONT PANEL ASSY (DE335: AEP)		63	1-575-662-31	WIRE (FLAT TYPE) (5 CORE)	
52	X-4951-500-1	FRONT PANEL ASSY (DE335: SP)		64	1-765-314-11	WIRE (FLAT TYPE) (7 CORE)	
53	4-216-792-01	RING (VOL)		65	1-769-972-11	WIRE (FLAT TYPE) (13 CORE)	
54	4-216-779-01	BUTTON (KEY)		66	1-673-043-11	VOLUME BOARD	
55	4-216-794-01	PLATE INDICATION		67	1-673-044-11	TONE BOARD	
56	4-996-698-01	EMBLEM, SONY		68	A-4419-187-A	KEY BOARD, COMPLETE (SE391)	
57	4-951-801-01	BUTTON (S)		68	A-4419-477-A	KEY BOARD, COMPLETE	
58	1-673-045-11	SP SW BOARD					(EXCEPT DE335: AEP/SE391)
59	4-951-620-01	SCREW (2.6X8), +BVTP		68	A-4419-746-A	KEY BOARD, COMPLETE (DE335: AEP)	
60	1-673-051-11	POWER SWITCH BOARD		69	4-998-717-01	KNOB (BAL)	
61	1-765-403-11	WIRE (FLAT TYPE) (29 CORE)		70	4-977-593-01	RING (DIA. 50) ORNAMENTAL	
62	A-4419-129-A	DISPLAY BOARD, COMPLETE (DE335: AUS)					(EXCEPT DE335: US, CND/SE391)

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	4-217-872-11	BOTTOM COVER		111	4-218-846-01	BACK PANEL (DE335: US)	
102	4-216-798-11	SUB (MOLD)		111	4-218-846-11	BACK PANEL (DE335: AEP)	
103	1-673-050-11	PRIMARY BOARD (EXCEPT DE335: E))		111	4-218-846-21	BACK PANEL (E30) (DE335: SP)	
104	1-673-049-11	SECONDARY BOARD		112	1-693-407-43	TUNER PACK (DE335: US, CND, E/SE391)	
105	1-673-048-11	STANDBY BOARD		112	1-693-408-43	TUNER PACK (DE335: AEP, MY, SP, AUS/V323)	
106	A-4419-137-A	REAR AMP BOARD, COMPLETE (DE335: E)		113	1-773-001-11	WIRE (FLAT TYPE) (15 CORE)	
106	A-4419-192-A	REAR AMP BOARD, COMPLETE (SE391)		114	1-673-053-11	VIDEO BOARD	
106	A-4419-481-A	REAR AMP BOARD, COMPLETE (DE335: US, CND)		115	1-769-844-11	WIRE (FLAT TYPE) (5 CORE)	
106	A-4419-747-A	REAR AMP BOARD, COMPLETE (DE335: AEP)		116	A-4419-127-A	MAIN BOARD, COMPLETE (DE335: CND)	
106	A-4419-750-A	REAR AMP BOARD, COMPLETE (DE335: MY, SP, AUS/V323)		116	A-4419-138-A	MAIN BOARD, COMPLETE (DE335: E)	
* 107	3-703-244-00	BUSHING (2104), CORD		116	A-4419-194-A	MAIN BOARD, COMPLETE (SE391)	
△ 108	1-777-070-21	CORD, POWER (DE335: CND)		116	A-4419-483-A	MAIN BOARD, COMPLETE (DE335: US)	
△ 108	1-777-071-21	CORD, POWER (DE335: AEP, E, MY, SP)		116	A-4419-749-A	MAIN BOARD, COMPLETE (DE335: AEP)	
△ 108	1-783-203-11	CORD, POWER (DE335: AUS)		116	A-4419-753-A	MAIN BOARD, COMPLETE (DE335: MY, SP, AUS/V323)	
△ 108	1-783-205-11	CORD, POWER (V323)		117	4-924-098-01	HOLDER, PC BOARD	
△ 108	1-783-820-11	CORD, POWER (DE335: US/SE391)		118	4-956-370-12	BAND, PLUG FIXED (DE335: AUS)	
△ 109	1-569-008-21	ADAPTOR, CONVERSION 2P (DE335: E)		119	1-673-054-11	VOL SEL BOARD (DE335: E)	
△ 110	1-251-416-11	OUTLET, AC (DE335: AUS)		120	1-673-055-11	PHONO BOARD (SE391)	
△ 110	1-526-794-11	OUTLET, AC (DE335: AEP, MY, SP)		△ T901	1-433-713-11	TRANSFORMER, POWER (DE335: US)	
△ 110	1-526-882-00	OUTLET, AC (V323)		△ T901	1-433-714-11	TRANSFORMER, POWER (DE335: CND)	
111	4-218-844-11	BACK PANEL (E30) (DE335: CND)		△ T901	1-433-713-21	TRANSFORMER, POWER (SE391)	
111	4-218-844-21	BACK PANEL (E30) (DE335: AUS)		△ T901	1-433-715-11	TRANSFORMER, POWER (DE335: AUS)	
111	4-218-844-31	BACK PANEL (E30) (DE335: MY)		△ T901	1-433-716-11	TRANSFORMER, POWER (DE335: MY, SP/V323)	
111	4-218-844-41	BACK PANEL (E30) (V323)		△ T901	1-433-717-11	TRANSFORMER, POWER (DE335: AEP)	
111	4-218-844-51	BACK PANEL (E30) (DE335: E)		△ T901	1-433-718-11	TRANSFORMER, POWER (DE335: E)	
111	4-218-844-71	BACK PANEL (E30) (SE391)					

以阴影和 △ 标志来识别的零部件，在安全方面具有关键性。因此只能以规定号码的零部件来更换。

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

DISPLAY

SECTION 7 ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
All resistors are in ohms.
METAL: Metal-film resistor.
METAL OXIDE: Metal oxide-film resistor.
F: nonflammable
- Abbreviation
CND: Canadian model
MY: Malaysia model
SP: Singapore model
AUS: Australian model

- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
In each case, u: μ , for example:
uA. . : μ A. . uPA. . : μ PA. .
uPB. . : μ PB. . uPC. . : μ PC. .
uPD. . : μ PD. .
- CAPACITORS
uF: μ F
- COILS
uH: μ H

When indicating parts by reference number, please include the board.

The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

以阴影和 Δ 标志来识别的零部件，在安全方面具有关键性。因此只能以规定号码的零部件来更换。

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
	A-4419-129-A	DISPLAY BOARD, COMPLETE (DE335: AUS)					
	A-4419-135-A	DISPLAY BOARD, COMPLETE (DE335: E)		D231	8-719-046-39	LED SEL5821A-TH15 (VIRTUAL)	
	A-4419-182-A	DISPLAY BOARD, COMPLETE (SE391)		D232	8-719-046-39	LED SEL5821A-TH15 (MUSIC)	
	A-4419-472-A	DISPLAY BOARD, COMPLETE					
		(DE335: US, CND)				< FLUORESCENT INDICATOR TUBE >	
	A-4419-744-A	DISPLAY BOARD, COMPLETE (DE335: AEP)		FL201	1-517-662-11	INDICATOR TUBE, FLUORESCENT	
	A-4419-752-A	DISPLAY BOARD, COMPLETE				< IC >	
		(DE335: MY, SP/V323)					
		*****		IC201	8-759-577-78	IC uPD78045FGF-082-3B9	
*	4-921-941-01	CUSHION (FL)		IC202	8-759-962-08	IC BA6208	
*	4-943-107-11	HOLDER (FL TUBE)		IC203	8-759-332-18	IC GP1U27XB (REMOTE CONTROL	
						RECEIVER)	
		< CAPACITOR >					
	C201	1-125-486-11 DOUBLE LAYERS	0.22F 5.5V			< COIL >	
	C202	1-164-159-11 CERAMIC	0.1uF 50V				
	C203	1-124-465-00 ELECT	0.47uF 20% 50V	L401	1-410-509-11	INDUCTOR 10uH	
	C204	1-164-159-11 CERAMIC	0.1uF 50V			< TRANSISTOR >	
	C205	1-162-294-31 CERAMIC	0.001uF 10% 50V	Q201	8-729-900-63	TRANSISTOR DTA124ES	
	C206	1-164-159-11 CERAMIC	0.1uF 50V	Q202	8-729-900-36	TRANSISTOR DTC124ES	
	C207	1-126-096-11 ELECT	10uF 20% 35V	Q230	8-729-900-36	TRANSISTOR DTC124ES	
	C208	1-126-096-11 ELECT	10uF 20% 35V	Q231	8-729-900-36	TRANSISTOR DTC124ES	
		< CONNECTOR >		Q232	8-729-900-36	TRANSISTOR DTC124ES	
						< RESISTOR >	
*	CNP203	1-573-107-11 CONNECTOR, PC BOARD (PLUG) 4P		R200	1-249-433-11	CARBON 22K 5% 1/4W	
	CNP205	1-785-821-11 CONNECTOR, BOARD TO BOARD 6P		R201	1-247-903-00	CARBON 1M 5% 1/4W	
	CNP206	1-779-366-11 CONNECTOR, BOARD TO BOARD 4P		R202	1-249-429-11	CARBON 10K 5% 1/4W	
	CNP207	1-779-366-11 CONNECTOR, BOARD TO BOARD 4P		R203	1-249-429-11	CARBON 10K 5% 1/4W	
	CNS201	1-568-844-11 CONNECTOR, FFC 29P		R204	1-249-425-11	CARBON 4.7K 5% 1/4W	
	CNS202	1-770-397-11 HOUSING, CONNECTOR (PC BOARD) 4P					
		< DIODE >		R205	1-249-441-11	CARBON 100K 5% 1/4W	
	D201	8-719-991-33 DIODE 1SS133T-77		R206	1-249-433-11	CARBON 22K 5% 1/4W	
	D202	8-719-991-33 DIODE 1SS133T-77		R207	1-249-433-11	CARBON 22K 5% 1/4W	
	D203	8-719-991-33 DIODE 1SS133T-77		R209	1-249-429-11	CARBON 10K 5% 1/4W	
	D204	8-719-991-33 DIODE 1SS133T-77				(EXCEPT DE335: AEP)	
	D221	8-719-991-33 DIODE 1SS133T-77 (DE335: MY, SP/V323)		R216	1-249-433-11	CARBON 22K 5% 1/4W	
	D222	8-719-991-33 DIODE 1SS133T-77		R221	1-247-807-31	CARBON 100 5% 1/4W	
		(DE335: E, MY, SP, AUS/V323)		R222	1-247-807-31	CARBON 100 5% 1/4W	
	D223	8-719-991-33 DIODE 1SS133T-77 (DE335: AEP, AUS)		R223	1-247-807-31	CARBON 100 5% 1/4W	
	D224	8-719-991-33 DIODE 1SS133T-77 (SE391)		R224	1-247-807-31	CARBON 100 5% 1/4W	
	D225	8-719-991-33 DIODE 1SS133T-77 (SE391)		R225	1-247-807-31	CARBON 100 5% 1/4W	
	D230	8-719-046-39 LED SEL5821A-TH15 (CINEMA)		R226	1-249-421-11	CARBON 2.2K 5% 1/4W	

Ref. No.	Part No.	Description	Remark		
R227	1-249-421-11	CARBON	2.2K	5%	1/4W
R230	1-249-406-11	CARBON	120	5%	1/4W
R231	1-249-406-11	CARBON	120	5%	1/4W
R232	1-249-406-11	CARBON	120	5%	1/4W
R275	1-247-807-31	CARBON	100	5%	1/4W
R287	1-249-427-11	CARBON	6.8K	5%	1/4W
R288	1-249-427-11	CARBON	6.8K	5%	1/4W
R289	1-249-437-11	CARBON	47K	5%	1/4W
R290	1-249-427-11	CARBON	6.8K	5%	1/4W
R291	1-249-427-11	CARBON	6.8K	5%	1/4W
△ R298	1-249-386-11	CARBON	2.7	5%	1/4W F (DE335: MY, SP, AUS/V323)
△ R299	1-249-386-11	CARBON	2.7	5%	1/4W F (DE335: MY, SP, AUS/V323)
R300	1-249-429-11	CARBON	10K	5%	1/4W (EXCEPT DE335: AEP)
R301	1-249-429-11	CARBON	10K	5%	1/4W (EXCEPT DE335: AEP)
R303	1-249-426-11	CARBON	5.6K	5%	1/4W
< SWITCH >					
S201	1-762-196-21	SWITCH, TACT (DISPLAY)			
< VIBRATOR >					
X201	1-577-101-11	VIBRATOR, CERAMIC (4.19MHz)			

A-4419-187-A		KEY BOARD, COMPLETE (SE391)			
A-4419-477-A		KEY BOARD, COMPLETE (EXCEPT DE335: AEP/SE391)			
A-4419-746-A		KEY BOARD, COMPLETE (DE335: AEP)			

< CONNECTOR >					
CNS205	1-770-399-11	HOUSING, CONNECTOR (PC BOARD) 6P			
CNS206	1-770-397-11	HOUSING, CONNECTOR (PC BOARD) 4P			
CNS207	1-770-397-11	HOUSING, CONNECTOR (PC BOARD) 4P			
< DIODE >					
D228	8-719-046-39	LED SEL5821A-TH15 (BASS BOOST)			
D233	8-719-046-39	LED SEL5821A-TH15 (CENTER)			
D234	8-719-046-39	LED SEL5821A-TH15 (SET UP)			
D235	8-719-046-39	LED SEL5821A-TH15 (NAME)			
D236	8-719-046-39	LED SEL5821A-TH15 (EFFECT/DELAY)			
D237	8-719-046-39	LED SEL5821A-TH15 (REAR)			
D239	8-719-046-39	LED SEL5821A-TH15 (5.1CH/DVD)			
D240	8-719-046-39	LED SEL5821A-TH15 (MUTING)			
D241	8-719-911-19	DIODE 1SS119			
< TRANSISTOR >					
Q233	8-729-900-63	TRANSISTOR	DTA124ES		
Q234	8-729-900-36	TRANSISTOR	DTC124ES		
Q235	8-729-900-36	TRANSISTOR	DTC124ES		
Q236	8-729-900-36	TRANSISTOR	DTC124ES		
Q237	8-729-900-63	TRANSISTOR	DTA124ES		
Q239	8-729-900-36	TRANSISTOR	DTC124ES		
Q240	8-729-900-63	TRANSISTOR	DTA124ES		
Q241	8-729-900-63	TRANSISTOR	DTA124ES		
Q242	8-729-900-36	TRANSISTOR	DTC124ES		

Ref. No.	Part No.	Description	Remark		
< RESISTOR >					
R228	1-249-406-11	CARBON	120	5%	1/4W
R233	1-249-406-11	CARBON	120	5%	1/4W
R234	1-249-406-11	CARBON	120	5%	1/4W
R235	1-249-406-11	CARBON	120	5%	1/4W
R236	1-249-406-11	CARBON	120	5%	1/4W
R237	1-249-406-11	CARBON	120	5%	1/4W
R239	1-249-406-11	CARBON	120	5%	1/4W
R240	1-249-406-11	CARBON	120	5%	1/4W
R248	1-249-411-11	CARBON	330	5%	1/4W
R249	1-249-413-11	CARBON	470	5%	1/4W
R250	1-249-415-11	CARBON	680	5%	1/4W
R251	1-249-417-11	CARBON	1K	5%	1/4W
R252	1-249-419-11	CARBON	1.5K	5%	1/4W
R253	1-249-421-11	CARBON	2.2K	5%	1/4W
R254	1-247-843-11	CARBON	3.3K	5%	1/4W
R255	1-249-425-11	CARBON	4.7K	5%	1/4W
R256	1-249-429-11	CARBON	10K	5%	1/4W
R257	1-249-411-11	CARBON	330	5%	1/4W
R258	1-249-413-11	CARBON	470	5%	1/4W
R259	1-249-415-11	CARBON	680	5%	1/4W
R260	1-249-417-11	CARBON	1K	5%	1/4W
R261	1-249-419-11	CARBON	1.5K	5%	1/4W
R262	1-249-421-11	CARBON	2.2K	5%	1/4W
R263	1-247-843-11	CARBON	3.3K	5%	1/4W
R264	1-249-425-11	CARBON	4.7K	5%	1/4W
R265	1-249-429-11	CARBON	10K	5%	1/4W
R266	1-249-411-11	CARBON	330	5%	1/4W
R267	1-249-413-11	CARBON	470	5%	1/4W
R268	1-249-415-11	CARBON	680	5%	1/4W
R269	1-249-417-11	CARBON	1K	5%	1/4W
R270	1-249-419-11	CARBON	1.5K	5%	1/4W
R271	1-249-421-11	CARBON	2.2K	5%	1/4W
R272	1-247-843-11	CARBON	3.3K	5%	1/4W
R273	1-249-425-11	CARBON	4.7K	5%	1/4W
R274	1-249-429-11	CARBON	10K	5%	1/4W
R276	1-247-863-91	CARBON	22K	5%	1/4W (SE391)
R277	1-249-411-11	CARBON	330	5%	1/4W
R278	1-249-413-11	CARBON	470	5%	1/4W
R279	1-249-415-11	CARBON	680	5%	1/4W
R280	1-249-417-11	CARBON	1K	5%	1/4W
R281	1-249-419-11	CARBON	1.5K	5%	1/4W
R282	1-249-421-11	CARBON	2.2K	5%	1/4W
R283	1-247-843-11	CARBON	3.3K	5%	1/4W
R284	1-249-425-11	CARBON	4.7K	5%	1/4W
R285	1-249-429-11	CARBON	10K	5%	1/4W
R286	1-249-433-11	CARBON	22K	5%	1/4W
< SWITCH >					
S202	1-762-196-21	SWITCH, TACT (AM) (EXCEPT AEP)			
S202	1-762-196-21	SWITCH, TACT (RDS EON) (AEP)			
S203	1-762-196-21	SWITCH, TACT (3)			
S204	1-762-196-21	SWITCH, TACT (2)			
S205	1-762-196-21	SWITCH, TACT (1)			
S206	1-762-196-21	SWITCH, TACT (TUNING -)			

KEY

MAIN

Ref. No.	Part No.	Description	Remark
S207	1-762-196-21	SWITCH, TACT (TUNING +)	
S208	1-762-196-21	SWITCH, TACT (PRESET/TUNING -)	
		(EXCEPT AEP)	
S208	1-762-196-21	SWITCH, TACT (PRESET/PTY SELECT -) (AEP)	
S209	1-762-196-21	SWITCH, TACT (PRESET/TUNING +)	
		(EXCEPT AEP)	
S209	1-762-196-21	SWITCH, TACT (PRESET/PTY SELECT +) (AEP)	
S210	1-762-196-21	SWITCH, TACT (DIRECT)	
S211	1-762-196-21	SWITCH, TACT (FM) (EXCEPT AEP)	
S211	1-762-196-21	SWITCH, TACT (FM/AM) (AEP)	
S212	1-762-196-21	SWITCH, TACT (6)	
S213	1-762-196-21	SWITCH, TACT (5)	
S214	1-762-196-21	SWITCH, TACT (4)	
S215	1-762-196-21	SWITCH, TACT (7)	
S216	1-762-196-21	SWITCH, TACT (8)	
S217	1-762-196-21	SWITCH, TACT (9)	
S218	1-762-196-21	SWITCH, TACT (FM MODE)	
S219	1-762-196-21	SWITCH, TACT (VIDEO)	
S220	1-762-196-21	SWITCH, TACT (CD) (DE335/V323)	
S221	1-762-196-21	SWITCH, TACT (CD) (SE391)	
S222	1-762-196-21	SWITCH, TACT (BASS BOOST)	
S223	1-762-196-21	SWITCH, TACT (MUTING)	
S224	1-762-196-21	SWITCH, TACT (SHIFT)	
S225	1-762-196-21	SWITCH, TACT (0)	
S226	1-762-196-21	SWITCH, TACT (MEMORY)	
S227	1-762-196-21	SWITCH, TACT (TUNER) (DE335/V323)	
S228	1-762-196-21	SWITCH, TACT (TUNER) (SE391)	
S229	1-762-196-21	SWITCH, TACT (MD/TAPE)	
S230	1-762-196-21	SWITCH, TACT (TV/SAT)	
		(DE335: US, CND, AUS/SE391)	
S230	1-762-196-21	SWITCH, TACT (TV/LD)	
		(DE335: AEP, E, MY, SP/V323)	
S231	1-762-196-21	SWITCH, TACT (RDS PTY) (DE335: AEP)	
S232	1-762-196-21	SWITCH, TACT (5.1CH/DVD)	
S234	1-762-196-21	SWITCH, TACT (SET UP)	
S235	1-762-196-21	SWITCH, TACT (NAME)	
S236	1-762-196-21	SWITCH, TACT (ENTER)	
S237	1-762-196-21	SWITCH, TACT (+)	
S238	1-762-196-21	SWITCH, TACT (-)	
S239	1-762-196-21	SWITCH, TACT (EFFECT/DELAY)	
S240	1-762-196-21	SWITCH, TACT (CENTER)	
S241	1-762-196-21	SWITCH, TACT (REAR)	
S242	1-762-196-21	SWITCH, TACT (SOUND FIELD + MODE)	
S243	1-762-196-21	SWITCH, TACT (SOUND FIELD ON/OFF)	
S244	1-762-196-21	SWITCH, TACT (SOUND FIELD - MODE)	
S245	1-762-196-21	SWITCH, TACT (PHONO) (SE391)	

A-4419-127-A	MAIN BOARD, COMPLETE (DE335: CND)		
A-4419-138-A	MAIN BOARD, COMPLETE (DE335: E)		
A-4419-194-A	MAIN BOARD, COMPLETE (SE391)		
A-4419-483-A	MAIN BOARD, COMPLETE (DE335: US)		
A-4419-749-A	MAIN BOARD, COMPLETE (DE335: AEP)		
A-4419-753-A	MAIN BOARD, COMPLETE		
	(DE335: MY, SP, AUS/V323)		

3-905-609-01	SCREW (TRANSISTOR)		
4-812-134-00	RIVET (DIA. 3.5), NYLON		
7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3		

Ref. No.	Part No.	Description	Remark
	7-685-872-09	SCREW +BVTT 3X8 (S)	
		< CAPACITOR >	
C3	1-162-288-31	CERAMIC	330PF 10% 50V
			(DE335: AEP)
C4	1-126-961-11	ELECT	2.2uF 20% 50V
			(DE335: AEP)
C5	1-162-306-11	CERAMIC	0.01uF 20% 16V
			(DE335: AEP)
C6	1-162-291-31	CERAMIC	560PF 10% 50V
			(DE335: AEP)
C7	1-102-527-11	CERAMIC	82PF 5% 50V
			(DE335: AEP)
C8	1-102-852-91	CERAMIC	47PF 5% 50V
			(DE335: AEP)
C9	1-126-960-11	ELECT	1uF 20% 50V
			(DE335: AEP)
C302	1-126-959-11	ELECT	0.47uF 20% 50V
C303	1-130-494-11	MYLAR	0.082uF 5% 50V
C304	1-137-367-11	FILM	0.0033uF 5% 50V
C305	1-130-494-11	MYLAR	0.082uF 5% 50V
C307	1-126-795-11	ELECT	10uF 20% 50V
C308	1-126-795-11	ELECT	10uF 20% 50V
C309	1-137-358-11	FILM	0.0001uF 5% 50V
C310	1-126-795-11	ELECT	10uF 20% 50V
C311	1-126-795-11	ELECT	10uF 20% 50V
C312	1-126-934-11	ELECT	220uF 20% 10V
C313	1-124-252-00	ELECT	0.33uF 20% 50V
C314	1-136-165-00	FILM	0.1uF 5% 50V
C315	1-164-159-11	CERAMIC	0.1uF 50V
C316	1-126-961-11	ELECT	2.2uF 20% 50V
C319	1-102-951-00	CERAMIC	15PF 5% 50V
C320	1-102-852-91	CERAMIC	47PF 5% 50V
C322	1-126-795-11	ELECT	10uF 20% 50V
C323	1-126-925-11	ELECT	470uF 20% 10V
C324	1-126-934-11	ELECT	220uF 20% 10V
C325	1-136-165-00	FILM	0.1uF 5% 50V
C326	1-136-165-00	FILM	0.1uF 5% 50V
C327	1-126-959-11	ELECT	0.47uF 20% 50V
C328	1-126-963-11	ELECT	4.7uF 20% 50V
C329	1-126-959-11	ELECT	0.47uF 20% 50V
C330	1-126-963-11	ELECT	4.7uF 20% 50V
C331	1-124-250-11	ELECT	0.15uF 20% 50V
C332	1-126-962-11	ELECT	3.3uF 20% 50V
C333	1-124-250-11	ELECT	0.15uF 20% 50V
C334	1-137-372-11	FILM	0.022uF 5% 50V
C335	1-136-161-00	FILM	0.047uF 5% 50V
C336	1-126-959-11	ELECT	0.47uF 20% 50V
C337	1-126-795-11	ELECT	10uF 20% 50V
C338	1-126-795-11	ELECT	10uF 20% 50V
C339	1-126-795-11	ELECT	10uF 20% 50V
C340	1-126-795-11	ELECT	10uF 20% 50V
C341	1-126-925-11	ELECT	470uF 20% 10V
C342	1-126-962-11	ELECT	3.3uF 20% 50V
C343	1-126-962-11	ELECT	3.3uF 20% 50V
C344	1-136-165-00	FILM	0.1uF 5% 50V
C345	1-136-165-00	FILM	0.1uF 5% 50V
C346	1-126-959-11	ELECT	0.47uF 20% 50V

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
C347	1-126-963-11	ELECT	4.7uF	20%	50V	C670	1-162-286-31	CERAMIC	220PF	10%	50V
C348	1-126-959-11	ELECT	0.47uF	20%	50V	C702	1-162-282-31	CERAMIC	100PF	10%	50V
C349	1-126-963-11	ELECT	4.7uF	20%	50V						
C350	1-124-250-11	ELECT	0.15uF	20%	50V	C703	1-104-665-11	ELECT	100uF	20%	10V
C351	1-126-962-11	ELECT	3.3uF	20%	50V	C704	1-104-664-11	ELECT	47uF	20%	16V
						C705	1-102-233-00	CERAMIC	33PF	10%	500V
C352	1-136-165-00	FILM	0.1uF	5%	50V	C710	1-104-664-11	ELECT	47uF	20%	16V
C353	1-102-973-00	CERAMIC	100PF	5%	50V	C711	1-137-372-11	FILM	0.022uF	5%	50V
C357	1-164-159-11	CERAMIC	0.1uF		50V						
C358	1-126-963-11	ELECT	4.7uF	20%	50V	C720	1-162-286-31	CERAMIC	220PF	10%	50V
C359	1-126-963-11	ELECT	4.7uF	20%	50V	C721	1-126-934-11	ELECT	220uF	20%	10V
						C722	1-126-795-11	ELECT	10uF	20%	50V
C360	1-126-963-11	ELECT	4.7uF	20%	50V	C740	1-128-560-11	ELECT	22uF	20%	100V
C361	1-164-159-11	CERAMIC	0.1uF		50V	C741	1-128-560-11	ELECT	22uF	20%	100V
C362	1-164-159-11	CERAMIC	0.1uF		50V						
C363	1-164-159-11	CERAMIC	0.1uF		50V	C742	1-126-925-11	ELECT	470uF	20%	10V
C364	1-164-159-11	CERAMIC	0.1uF		50V	C743	1-126-925-11	ELECT	470uF	20%	10V
						C752	1-162-282-31	CERAMIC	100PF	10%	50V
C365	1-164-159-11	CERAMIC	0.1uF		50V	C753	1-104-665-11	ELECT	100uF	20%	10V
C366	1-164-159-11	CERAMIC	0.1uF		50V	C754	1-104-664-11	ELECT	47uF	20%	16V
C367	1-137-358-11	FILM	0.0001uF	5%	50V						
C368	1-126-934-11	ELECT	220uF	20%	16V	C755	1-102-233-00	CERAMIC	33PF	10%	500V
C369	1-136-177-00	FILM	1uF	5%	50V	C760	1-104-664-11	ELECT	47uF	20%	16V
						C761	1-137-372-11	FILM	0.022uF	5%	50V
C370	1-130-481-00	MYLAR	0.0068uF	5%	50V	C770	1-162-286-31	CERAMIC	220PF	10%	50V
C371	1-124-250-11	ELECT	0.15uF	20%	50V						
C372	1-137-358-11	FILM	0.0001uF	5%	50V	C801	1-104-664-11	ELECT	47uF	20%	25V
C376	1-136-177-00	FILM	1uF	5%	50V	C802	1-104-664-11	ELECT	47uF	20%	25V
C377	1-136-177-00	FILM	1uF	5%	50V	C803	1-107-766-11	ELECT (BLOCK)	8200uF	20%	71V
											(DE335: AEP, MY, SP, AUS/V323)
C378	1-102-518-11	CERAMIC	33PF	5%	50V	C803	1-125-897-11	ELECT	10000uF	20%	71V
C379	1-136-165-00	FILM	0.1uF	5%	50V						(DE335: US, CND, E/SE391)
						C804	1-107-766-11	ELECT (BLOCK)	8200uF	20%	71V
C380	1-136-177-00	FILM	1uF	5%	50V						(DE335: AEP, MY, SP, AUS/V323)
C381	1-164-159-11	CERAMIC	0.1uF		50V						
C382	1-102-953-00	CERAMIC	18PF	5%	50V	C804	1-125-897-11	ELECT	10000uF	20%	71V
C406	1-164-159-11	CERAMIC	0.1uF		50V						(DE335: US, CND, E/SE391)
C408	1-162-294-31	CERAMIC	0.001uF	10%	50V	C805	1-130-781-00	MYLAR	0.22uF	5%	100V
C412	1-162-291-31	CERAMIC	560PF	10%	50V						(DE335: AEP, MY, SP, AUS/V323)
						C805	1-137-420-11	FILM	0.047uF	10%	100V
C413	1-164-159-11	CERAMIC	0.1uF		50V						(DE335: US, CND, E/SE391)
C415	1-164-159-11	CERAMIC	0.1uF		50V	C806	1-130-781-00	MYLAR	0.22uF	5%	100V
C416	1-164-159-11	CERAMIC	0.1uF		50V						(DE335: AEP, MY, SP, AUS/V323)
C427	1-124-252-00	ELECT	0.33uF	20%	50V	C806	1-137-420-11	FILM	0.047uF	10%	100V
C428	1-130-489-00	MYLAR	0.033uF	5%	50V						(DE335: US, CND, E/SE391)
C429	1-102-973-00	CERAMIC	100PF	5%	50V	C807	1-126-924-11	ELECT	330uF	20%	10V
C434	1-162-286-31	CERAMIC	220PF	10%	50V	C808	1-126-924-11	ELECT	330uF	20%	10V
C435	1-162-286-31	CERAMIC	220PF	10%	50V	C809	1-126-960-11	ELECT	1uF	20%	50V
C447	1-164-159-11	CERAMIC	0.1uF		50V	C810	1-126-960-11	ELECT	1uF	20%	50V
C477	1-124-252-00	ELECT	0.33uF	20%	50V						
						C811	1-128-550-11	ELECT	2200uF	20%	50V
C478	1-130-489-00	MYLAR	0.033uF	5%	50V	C812	1-126-941-11	ELECT	470uF	20%	25V
C479	1-102-973-00	CERAMIC	100PF	5%	50V	C813	1-101-001-00	CERAMIC	0.001uF		50V
C492	1-124-464-11	ELECT	0.22uF	20%	50V	C814	1-101-001-00	CERAMIC	0.001uF		50V
						C815	1-126-960-11	ELECT	1uF	20%	50V
C602	1-162-282-31	CERAMIC	100PF	10%	50V						
C603	1-104-665-11	ELECT	100uF	20%	10V	C816	1-104-664-11	ELECT	47uF	20%	25V
C605	1-102-233-00	CERAMIC	33PF	10%	500V	C820	1-161-494-00	CERAMIC	0.022uF		25V
C610	1-104-664-11	ELECT	47uF	20%	16V	C821	1-161-494-00	CERAMIC	0.022uF		25V
						C822	1-107-704-11	ELECT	470uF	20%	25V
C611	1-137-372-11	FILM	0.022uF	5%	50V	C825	1-126-960-11	ELECT	1uF	20%	50V
C620	1-162-286-31	CERAMIC	220PF	10%	50V						
C652	1-162-282-31	CERAMIC	100PF	10%	50V	C826	1-104-664-11	ELECT	47uF	20%	25V
C653	1-104-665-11	ELECT	100uF	20%	10V	C827	1-126-960-11	ELECT	1uF	20%	50V
						C950	1-126-767-11	ELECT	1000uF	20%	16V
C655	1-102-233-00	CERAMIC	33PF	10%	500V	C951	1-164-097-11	CERAMIC	0.022uF		50V
C660	1-104-664-11	ELECT	47uF	20%	16V	C952	1-126-960-11	ELECT	1uF	20%	50V
C661	1-137-372-11	FILM	0.022uF	5%	50V						

MAIN

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C953	1-124-464-11	ELECT	0.22uF 20% 50V	D723	8-719-911-19	DIODE 1SS119	
C954	1-126-795-11	ELECT	10uF 20% 50V	D724	8-719-911-19	DIODE 1SS119	
C955	1-164-159-11	CERAMIC	0.1uF 50V	D725	8-719-911-19	DIODE 1SS119	
C957	1-164-159-11	CERAMIC	0.1uF 50V	D726	8-719-911-19	DIODE 1SS119	
C958	1-164-159-11	CERAMIC	0.1uF 50V				
CC02	1-162-282-31	CERAMIC	100PF 10% 50V (DE335: AEP)	D727	8-719-911-19	DIODE 1SS119	
CC03	1-162-282-31	CERAMIC	100PF 10% 50V (DE335: AEP)	D728	8-719-911-19	DIODE 1SS119	
CC04	1-162-282-31	CERAMIC	100PF 10% 50V (DE335: AEP)	D801	8-719-986-54	DIODE HZS24-1LTA	
CC05	1-162-282-31	CERAMIC	100PF 10% 50V (DE335: AEP)	D802	8-719-302-38	DIODE RBV-602-01	
CC06	1-162-282-31	CERAMIC	100PF 10% 50V (DE335: AEP)	D803	8-719-302-38	DIODE RBV-602-01 (DE335: AEP, MY, SP, AUS/V323)	
CC07	1-162-282-31	CERAMIC	100PF 10% 50V (DE335: AEP)	D804	8-719-109-85	DIODE RD5.1ES-B2	
CC12	1-164-096-11	CERAMIC	0.01uF 50V (DE335: AEP)	D810	8-719-024-99	DIODE 11ES2-NTA2B	
CC13	1-164-096-11	CERAMIC	0.01uF 50V (DE335: AEP)	D811	8-719-024-99	DIODE 11ES2-NTA2B	
CC52	1-162-282-31	CERAMIC	100PF 10% 50V (DE335: AEP)	D812	8-719-024-99	DIODE 11ES2-NTA2B	
CC53	1-162-282-31	CERAMIC	100PF 10% 50V (DE335: AEP)	D813	8-719-024-99	DIODE 11ES2-NTA2B	
CC54	1-162-282-31	CERAMIC	100PF 10% 50V (DE335: AEP)	D814	8-719-911-19	DIODE 1SS119	
CC55	1-162-282-31	CERAMIC	100PF 10% 50V (DE335: AEP)	D815	8-719-911-19	DIODE 1SS119	
CC56	1-162-282-31	CERAMIC	100PF 10% 50V (DE335: AEP)	D818	8-719-911-19	DIODE 1SS119	
CC57	1-162-282-31	CERAMIC	100PF 10% 50V (DE335: AEP)	D820	8-719-024-99	DIODE 11ES2-NTA2B	
CC62	1-164-096-11	CERAMIC	0.01uF 50V (DE335: AEP)	D821	8-719-024-99	DIODE 11ES2-NTA2B	
CC63	1-164-096-11	CERAMIC	0.01uF 50V (DE335: AEP)	D822	8-719-024-99	DIODE 11ES2-NTA2B	
				D823	8-719-024-99	DIODE 11ES2-NTA2B	
		< CONNECTOR >				< TERMINAL EARTH >	
CN501	1-691-766-11	PLUG (MICRO CONNECTOR) 4P		* G200	1-537-738-21	TERMINAL, EARTH	
CN502	1-691-767-11	PLUG (MICRO CONNECTOR) 5P		* G201	1-537-738-21	TERMINAL, EARTH	
CNS204	1-568-844-11	CONNECTOR, FFC 29P		* G202	1-537-738-21	TERMINAL, EARTH	
CNS251	1-568-848-11	SOCKET, CONNECTOR 5P (DE335/V323)		* G203	1-537-738-21	TERMINAL, EARTH	
CNS401	1-569-321-11	SOCKET, CONNECTOR 15P				< IC >	
CNS403	1-568-443-11	SOCKET, CONNECTOR 13P		IC1	8-759-450-86	IC BU1922 (DE335: AEP)	
CNS505	1-750-180-11	PIN, CONNECTOR (PC BOARD) 5P (SE391)		IC300	8-759-528-35	IC CXA8079S	
CNS701	1-568-439-11	SOCKET, CONNECTOR 7P		IC301	8-759-579-62	IC LV1018	
CNS702	1-691-767-11	PLUG (MICRO CONNECTOR) 5P		IC302	8-759-636-74	IC M5218AP-22	
CNS802	1-770-480-11	SOCKET, CONNECTOR PIN 4P		IC401	8-759-545-64	IC LC78212	
		< DIODE >		IC502	8-759-636-74	IC M5218AP-22	
D300	8-719-070-77	DIODE SVC201SPA-M1-AC		IC701	8-759-326-52	IC uPC2581V	
D310	8-719-911-19	DIODE 1SS119		IC702	8-759-326-52	IC uPC2581V	
D311	8-719-911-19	DIODE 1SS119		IC801	8-759-604-39	IC M5F78M12	
D312	8-719-911-19	DIODE 1SS119		IC802	8-759-604-45	IC M5F79M12	
D421	8-719-911-19	DIODE 1SS119		IC803	8-759-604-35	IC M5F78M05L	
D510	8-719-911-19	DIODE 1SS119		IC804	8-759-604-35	IC M5F78M05L	
D610	8-719-911-19	DIODE 1SS119		IC805	8-759-604-38	IC M5F78M10	
D710	8-719-911-19	DIODE 1SS119		IC950	8-759-333-83	IC NJM2103D	
D721	8-719-911-19	DIODE 1SS119				< JACK >	
D722	8-719-911-19	DIODE 1SS119		J253	1-774-785-11	JACK, PIN 1P (WOOFER AUDIO OUT)	
				J401	1-691-887-11	JACK, PIN 6P (CD IN, MD/TAPE REC OUT, MD/TAPE IN) (DE335: CND)	
				J401	1-774-411-11	JACK, PIN 6P (CD IN, MD/TAPE REC OUT, MD/TAPE IN) (EXCEPT DE335: CND)	
				J402	1-580-825-11	JACK, PIN 6P (TV/SAT AUDIO IN, VIDEO AUDIO IN/OUT) (DE335: CND)	
				J402	1-770-015-11	JACK, PIN 6P (TV/SAT AUDIO IN, VIDEO AUDIO IN/OUT) (EXCEPT DE335: CND, AEP)	
				J402	1-770-015-11	JACK, PIN 6P (TV/LD AUDIO IN, VIDEO AUDIO IN/OUT) (DE335: AEP)	

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
< COIL >				R7	1-247-807-31	CARBON 100 5%	1/4W (DE335: AEP)
L1	1-410-521-11	INDUCTOR 100uH (DE335: AEP)		R303	1-249-439-11	CARBON 68K 5%	1/4W
L301	1-410-509-11	INDUCTOR 10uH		R306	1-249-436-11	CARBON 39K 5%	1/4W
L501	1-420-872-00	COIL, AIR-CORE		R342	1-249-441-11	CARBON 100K 5%	1/4W
L601	1-420-872-00	COIL, AIR-CORE		R343	1-249-441-11	CARBON 100K 5%	1/4W
L651	1-420-872-00	COIL, AIR-CORE		R351	1-249-417-11	CARBON 1K 5%	1/4W
L701	1-420-872-00	COIL, AIR-CORE		R352	1-249-417-11	CARBON 1K 5%	1/4W
L751	1-420-872-00	COIL, AIR-CORE		R353	1-249-417-11	CARBON 1K 5%	1/4W
< TRANSISTOR/IC >				R354	1-249-417-11	CARBON 1K 5%	1/4W
Q361	8-729-141-30	TRANSISTOR 2SC3623A-LK		R355	1-249-417-11	CARBON 1K 5%	1/4W
Q362	8-729-141-30	TRANSISTOR 2SC3623A-LK		R356	1-249-417-11	CARBON 1K 5%	1/4W
Q363	8-729-141-30	TRANSISTOR 2SC3623A-LK		R357	1-249-429-11	CARBON 10K 5%	1/4W
Q364	8-729-141-30	TRANSISTOR 2SC3623A-LK		R358	1-249-439-11	CARBON 68K 5%	1/4W
Q365	8-729-141-30	TRANSISTOR 2SC3623A-LK		R359	1-249-425-11	CARBON 4.7K 5%	1/4W
Q366	8-729-141-30	TRANSISTOR 2SC3623A-LK		R360	1-249-425-11	CARBON 4.7K 5%	1/4W
Q367	8-729-119-78	TRANSISTOR 2SC403SP-51		R361	1-249-425-11	CARBON 4.7K 5%	1/4W
Q401	8-729-202-67	FET 2SK246-GR3		R362	1-249-425-11	CARBON 4.7K 5%	1/4W
Q402	8-729-141-30	TRANSISTOR 2SC3623A-LK		R363	1-249-425-11	CARBON 4.7K 5%	1/4W
Q451	8-729-202-67	FET 2SK246-GR3		R364	1-249-425-11	CARBON 4.7K 5%	1/4W
Q452	8-729-141-30	TRANSISTOR 2SC3623A-LK		R365	1-249-425-11	CARBON 4.7K 5%	1/4W
Q510	8-729-119-78	TRANSISTOR 2SC403SP-51		R366	1-249-425-11	CARBON 4.7K 5%	1/4W
Q601	8-729-119-76	TRANSISTOR 2SA1175-HFE		R367	1-249-438-11	CARBON 56K 5%	1/4W
Q602	8-729-141-30	TRANSISTOR 2SC3623A-LK		R368	1-249-425-11	CARBON 4.7K 5%	1/4W
Q603	8-749-010-25	IC MN2488-OPY-M		R369	1-249-439-11	CARBON 68K 5%	1/4W
Q604	8-749-010-26	IC MP1620-OPY-M		R370	1-249-429-11	CARBON 10K 5%	1/4W
Q610	8-729-119-78	TRANSISTOR 2SC403SP-51		R372	1-249-441-11	CARBON 100K 5%	1/4W
Q620	8-729-140-82	TRANSISTOR 2SA988-PAFAEA		R374	1-249-429-11	CARBON 10K 5%	1/4W
Q651	8-729-119-76	TRANSISTOR 2SA1175-HFE		R375	1-249-429-11	CARBON 10K 5%	1/4W
Q652	8-729-141-30	TRANSISTOR 2SC3623A-LK		R380	1-249-441-11	CARBON 100K 5%	1/4W
Q653	8-749-010-25	IC MN2488-OPY-M		R381	1-249-441-11	CARBON 100K 5%	1/4W
Q654	8-749-010-26	IC MP1620-OPY-M		△R397	1-249-410-11	CARBON 270 5%	1/4W F
Q670	8-729-140-82	TRANSISTOR 2SA988-PAFAEA		R399	1-249-426-11	CARBON 5.6K 5%	1/4W
Q701	8-729-119-76	TRANSISTOR 2SA1175-HFE		R402	1-249-417-11	CARBON 1K 5%	1/4W
Q702	8-729-141-30	TRANSISTOR 2SC3623A-LK		R403	1-249-417-11	CARBON 1K 5%	1/4W
Q703	8-749-010-25	IC MN2488-OPY-M		R404	1-249-417-11	CARBON 1K 5%	1/4W
Q704	8-749-010-26	IC MP1620-OPY-M		R405	1-249-417-11	CARBON 1K 5%	1/4W
Q710	8-729-119-78	TRANSISTOR 2SC403SP-51		R406	1-249-417-11	CARBON 1K 5%	1/4W
Q720	8-729-140-82	TRANSISTOR 2SA988-PAFAEA		R407	1-249-417-11	CARBON 1K 5%	1/4W
Q721	8-729-140-82	TRANSISTOR 2SA988-PAFAEA		R414	1-249-425-11	CARBON 4.7K 5%	1/4W
Q722	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA		R415	1-249-417-11	CARBON 1K 5%	1/4W
Q723	8-729-119-78	TRANSISTOR 2SC403SP-51		R431	1-247-843-11	CARBON 3.3K 5%	1/4W
Q751	8-729-119-76	TRANSISTOR 2SA1175-HFE		R432	1-247-883-00	CARBON 150K 5%	1/4W
Q752	8-729-141-30	TRANSISTOR 2SC3623A-LK		R433	1-249-427-11	CARBON 6.8K 5%	1/4W
Q753	8-749-010-25	IC MN2488-OPY-M		R434	1-249-413-11	CARBON 470 5%	1/4W
Q754	8-749-010-26	IC MP1620-OPY-M		R435	1-249-418-11	CARBON 1.2K 5%	1/4W
Q770	8-729-140-82	TRANSISTOR 2SA988-PAFAEA		R438	1-249-441-11	CARBON 100K 5%	1/4W
Q801	8-729-140-97	TRANSISTOR 2SB734-34		R441	1-249-441-11	CARBON 100K 5%	1/4W
Q802	8-729-119-78	TRANSISTOR 2SC403SP-51		R442	1-249-418-11	CARBON 1.2K 5%	1/4W
Q809	8-729-119-78	TRANSISTOR 2SC403SP-51		R443	1-249-418-11	CARBON 1.2K 5%	1/4W
Q951	8-729-026-68	TRANSISTOR 2SD2525 (TP)		R444	1-247-903-00	CARBON 1M 5%	1/4W
				R447	1-249-436-11	CARBON 39K 5%	1/4W
< RESISTOR >				R448	1-249-436-11	CARBON 39K 5%	1/4W
R5	1-249-421-11	CARBON 2.2K 5%	1/4W (DE335: AEP)	R449	1-249-433-11	CARBON 22K 5%	1/4W
R6	1-247-807-31	CARBON 100 5%	1/4W (DE335: AEP)	R452	1-249-417-11	CARBON 1K 5%	1/4W
				R453	1-249-417-11	CARBON 1K 5%	1/4W
				R454	1-249-417-11	CARBON 1K 5%	1/4W

以阴影和 △ 标志来识别的零
部件，在安全方面具有关键
性，因此只能以规定号码的
零部件来更换。

The components identified by
mark △ or dotted line with
mark △ are critical for safety.
Replace only with part num-
ber specified.

Les composants identifiés par une
marque △ sont critiques pour la
sécurité.
Ne les remplacer que par une pièce
portant le numéro spécifié.

MAIN

Ref. No.	Part No.	Description	Remark
R455	1-249-417-11	CARBON	1K 5% 1/4W
R456	1-249-417-11	CARBON	1K 5% 1/4W
R457	1-249-417-11	CARBON	1K 5% 1/4W
R464	1-247-903-00	CARBON	1M 5% 1/4W
R465	1-249-417-11	CARBON	1K 5% 1/4W
R469	1-247-903-00	CARBON	1M 5% 1/4W
R481	1-247-843-11	CARBON	3.3K 5% 1/4W
R482	1-247-883-00	CARBON	150K 5% 1/4W
R483	1-249-427-11	CARBON	6.8K 5% 1/4W
R484	1-249-413-11	CARBON	470 5% 1/4W
R491	1-249-441-11	CARBON	100K 5% 1/4W
R492	1-247-903-00	CARBON	1M 5% 1/4W
R494	1-247-903-00	CARBON	1M 5% 1/4W
R518	1-249-389-11	CARBON	4.7 5% 1/4W
△ R519	1-249-403-11	CARBON	68 5% 1/4W F
△ R523	1-249-403-11	CARBON	68 5% 1/4W F
R530	1-249-426-11	CARBON	5.6K 5% 1/4W
R532	1-249-426-11	CARBON	5.6K 5% 1/4W
R562	1-249-437-11	CARBON	47K 5% 1/4W
R581	1-249-434-11	CARBON	27K 5% 1/4W (DE335: AEP)
R581	1-249-436-11	CARBON	39K 5% 1/4W (DE335: MY, SP, AUS/V323)
R581	1-249-437-11	CARBON	47K 5% 1/4W (DE335: US, CND, E/SE391)
R601	1-249-417-11	CARBON	1K 5% 1/4W
R602	1-249-439-11	CARBON	68K 5% 1/4W
R603	1-249-414-11	CARBON	560 5% 1/4W
R604	1-249-439-11	CARBON	68K 5% 1/4W
R610	1-249-421-11	CARBON	2.2K 5% 1/4W
R611	1-249-440-11	CARBON	82K 5% 1/4W
R613	1-249-414-11	CARBON	560 5% 1/4W
△ R614	1-249-408-11	CARBON	180 5% 1/4W F (EXCEPT DE335: AEP)
△ R614	1-249-409-11	CARBON	220 5% 1/4W F (DE335: AEP)
△ R615	1-249-408-11	CARBON	180 5% 1/4W F (EXCEPT DE335: AEP)
△ R615	1-249-409-11	CARBON	220 5% 1/4W F (DE335: AEP)
△ R616	1-233-352-41	ENCAPSULATED COMPONENT (0.22+0.22)	
△ R617	1-249-393-11	CARBON	10 5% 1/4W F
R618	1-249-389-11	CARBON	4.7 5% 1/4W
R619	1-249-403-11	CARBON	68 5% 1/4W F
R620	1-249-419-11	CARBON	1.5K 5% 1/4W
R621	1-249-427-11	CARBON	6.8K 5% 1/4W
R622	1-249-431-11	CARBON	15K 5% 1/4W
R623	1-249-437-11	CARBON	47K 5% 1/4W
R630	1-249-426-11	CARBON	5.6K 5% 1/4W
R632	1-249-426-11	CARBON	5.6K 5% 1/4W
△ R644	1-249-403-11	CARBON	68 5% 1/4W F
R651	1-249-417-11	CARBON	1K 5% 1/4W
R652	1-249-439-11	CARBON	68K 5% 1/4W
R653	1-249-414-11	CARBON	560 5% 1/4W
R654	1-249-439-11	CARBON	68K 5% 1/4W
R660	1-249-421-11	CARBON	2.2K 5% 1/4W
R661	1-249-440-11	CARBON	82K 5% 1/4W

Ref. No.	Part No.	Description	Remark
R663	1-249-414-11	CARBON	560 5% 1/4W
△ R664	1-249-408-11	CARBON	180 5% 1/4W F (DE335: AEP)
△ R664	1-249-409-11	CARBON	220 5% 1/4W F (EXCEPT DE335: AEP)
△ R665	1-249-408-11	CARBON	180 5% 1/4W F (DE335: AEP)
△ R665	1-249-409-11	CARBON	220 5% 1/4W F (EXCEPT DE335: AEP)
△ R666	1-233-352-41	ENCAPSULATED COMPONENT (0.22+0.22)	
△ R667	1-249-393-11	CARBON	10 5% 1/4W F
R668	1-249-389-11	CARBON	4.7 5% 1/4W
R670	1-249-419-11	CARBON	1.5K 5% 1/4W
R671	1-249-427-11	CARBON	6.8K 5% 1/4W
R672	1-249-431-11	CARBON	15K 5% 1/4W
R673	1-249-437-11	CARBON	47K 5% 1/4W
R701	1-249-417-11	CARBON	1K 5% 1/4W
R702	1-249-439-11	CARBON	68K 5% 1/4W
R703	1-247-828-11	CARBON	750 5% 1/4W (DE335: US, CND, AEP, E/SE391)
R703	1-249-416-11	CARBON	820 5% 1/4W (DE335: MY, SP, AUS/V323)
R704	1-249-439-11	CARBON	68K 5% 1/4W
R705	1-249-429-11	CARBON	10K 5% 1/4W
R706	1-249-435-11	CARBON	33K 5% 1/4W
R707	1-249-435-11	CARBON	33K 5% 1/4W
R710	1-249-421-11	CARBON	2.2K 5% 1/4W
R711	1-249-440-11	CARBON	82K 5% 1/4W
R713	1-249-414-11	CARBON	560 5% 1/4W
△ R714	1-249-408-11	CARBON	180 5% 1/4W F (DE335: AEP)
△ R714	1-249-409-11	CARBON	220 5% 1/4W F (EXCEPT DE335: AEP)
△ R715	1-249-408-11	CARBON	180 5% 1/4W F (DE335: AEP)
△ R715	1-249-409-11	CARBON	220 5% 1/4W F (EXCEPT DE335: AEP)
△ R716	1-233-352-41	ENCAPSULATED COMPONENT (0.22+0.22)	
△ R717	1-249-393-11	CARBON	10 5% 1/4W F
R718	1-249-389-11	CARBON	4.7 5% 1/4W
△ R719	1-249-403-11	CARBON	68 5% 1/4W F
R720	1-249-419-11	CARBON	1.5K 5% 1/4W
R721	1-249-427-11	CARBON	6.8K 5% 1/4W
R722	1-249-431-11	CARBON	15K 5% 1/4W
R723	1-249-437-11	CARBON	47K 5% 1/4W
R724	1-249-425-11	CARBON	4.7K 5% 1/4W
R725	1-249-427-11	CARBON	6.8K 5% 1/4W
R726	1-249-417-11	CARBON	1K 5% 1/4W
R727	1-249-427-11	CARBON	6.8K 5% 1/4W
R730	1-249-426-11	CARBON	5.6K 5% 1/4W
R731	1-249-426-11	CARBON	5.6K 5% 1/4W
△ R732	1-249-393-11	CARBON	10 5% 1/4W F
△ R733	1-249-393-11	CARBON	10 5% 1/4W F
R734	1-249-420-11	CARBON	1.8K 5% 1/4W
R738	1-249-434-11	CARBON	27K 5% 1/4W (DE335: AEP)
R738	1-249-436-11	CARBON	39K 5% 1/4W (DE335: MY, SP, AUS/V323)
R738	1-249-437-11	CARBON	47K 5% 1/4W (DE335: US, CND, E/SE391)

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Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R742	1-249-425-11	CARBON	4.7K 5% 1/4W	RR04	1-249-393-11	CARBON 10 5% 1/4W (DE335: AEP)	
R743	1-249-425-11	CARBON	4.7K 5% 1/4W	RR05	1-249-393-11	CARBON 10 5% 1/4W (DE335: AEP)	
△R744	1-249-403-11	CARBON	68 5% 1/4W F	RR54	1-249-393-11	CARBON 10 5% 1/4W (DE335: AEP)	
R751	1-249-417-11	CARBON	1K 5% 1/4W	RR55	1-249-393-11	CARBON 10 5% 1/4W (DE335: AEP)	
R752	1-249-439-11	CARBON	68K 5% 1/4W	< RELAY >			
R753	1-247-828-11	CARBON	750 5% 1/4W (DE335: US, CND, AEP/SE391)	RY301	1-755-267-11	RELAY	
R753	1-249-416-11	CARBON	820 5% 1/4W (DE335: MY, SP, AUS/V323)	RY551	1-515-921-11	RELAY (12V)	
R753	1-249-442-11	CARBON	510 5% 1/4W (DE335: US, MY, SP, AUS/V323)	RY601	1-515-921-11	RELAY (12V)	
R754	1-249-439-11	CARBON	68K 5% 1/4W	RY701	1-515-921-11	RELAY (12V)	
R755	1-249-429-11	CARBON	10K 5% 1/4W	RY801	1-755-013-11	RELAY (EXCEPT DE335: CND)	
R756	1-249-435-11	CARBON	33K 5% 1/4W	RY851	1-515-918-11	RELAY (DE335: CND)	
R757	1-249-435-11	CARBON	33K 5% 1/4W	RY852	1-515-918-11	RELAY (DE335: CND)	
R760	1-249-421-11	CARBON	2.2K 5% 1/4W	< TERMINAL >			
R761	1-249-440-11	CARBON	82K 5% 1/4W	TM601	1-537-510-11	TERMINAL BOARD (SPEAKER) (6P) (SPEAKERS CENTER/REAR)	
R763	1-249-414-11	CARBON	560 5% 1/4W	TM701	1-537-376-11	TERMINAL BOARD (SP) (SPEAKERS FRONT A/B)	
△R764	1-249-408-11	CARBON	180 5% 1/4W F (DE335: AEP)	< VIBRATOR >			
△R764	1-249-409-11	CARBON	220 5% 1/4W F (EXCEPT DE335: AEP)	X1	1-579-900-21	VIBRATOR, CRYSTAL (4.332MHz) (DE335: AEP)	
△R765	1-249-408-11	CARBON	180 5% 1/4W F (DE335: AEP)	*****			
△R765	1-249-409-11	CARBON	220 5% 1/4W F (EXCEPT DE335: AEP)	1-673-055-11	PHONO BOARD (SE391) *****		
△R766	1-233-352-41	ENCAPSULATED COMPONENT (0.22+0.22)		< CAPACITOR >			
△R767	1-249-393-11	CARBON	10 5% 1/4W F	C401	1-162-282-31	CERAMIC 100PF 10% 50V	
R768	1-249-389-11	CARBON	4.7 5% 1/4W	C402	1-126-962-11	ELECT 3.3uF 20% 50V	
R770	1-249-419-11	CARBON	1.5K 5% 1/4W	C403	1-126-966-11	ELECT 33uF 20% 16V	
R771	1-249-427-11	CARBON	6.8K 5% 1/4W	C404	1-162-282-31	CERAMIC 100PF 10% 50V	
R772	1-249-431-11	CARBON	15K 5% 1/4W	C405	1-137-459-11	FILM 0.0056uF 5% 100V	
R773	1-249-437-11	CARBON	47K 5% 1/4W	C407	1-137-365-11	FILM 0.0015uF 5% 50V	
R788	1-249-434-11	CARBON	27K 5% 1/4W (DE335: AEP)	C409	1-126-962-11	ELECT 3.3uF 20% 50V	
R788	1-249-436-11	CARBON	39K 5% 1/4W (DE335: MY, SP, AUS/V323)	C410	1-164-159-21	CERAMIC 0.1uF 50V	
R788	1-249-437-11	CARBON	47K 5% 1/4W (DE335: US, CND, E/SE391)	C451	1-162-282-31	CERAMIC 100PF 10% 50V	
△R803	1-247-739-11	CARBON	100 5% 1/2W F (DE335: US, CND/SE391)	C452	1-126-962-11	ELECT 3.3uF 20% 50V	
△R803	1-249-389-11	CARBON	4.7 5% 1/4W F (EXCEPT DE335: US, CND/SE391)	C453	1-126-966-11	ELECT 33uF 20% 16V	
R804	1-249-427-11	CARBON	6.8K 5% 1/4W	C454	1-162-282-31	CERAMIC 100PF 10% 50V	
R821	1-249-437-11	CARBON	47K 5% 1/4W	C455	1-137-459-11	FILM 0.0056uF 5% 100V	
R822	1-249-425-11	CARBON	4.7K 5% 1/4W	C457	1-137-365-11	FILM 0.0015uF 5% 50V	
R823	1-249-437-11	CARBON	47K 5% 1/4W	C459	1-126-962-11	ELECT 3.3uF 20% 50V	
R824	1-249-425-11	CARBON	4.7K 5% 1/4W	C460	1-164-159-21	CERAMIC 0.1uF 50V	
△R830	1-249-403-11	CARBON	68 5% 1/4W F	< CONNECTOR >			
△R831	1-249-403-11	CARBON	68 5% 1/4W F	CNS451	1-750-179-11	SOCKET, CONNECTOR 5P	
R950	1-249-421-11	CARBON	2.2K 5% 1/4W	< IC >			
R951	1-249-428-11	CARBON	8.2K 5% 1/4W	IC402	8-759-636-74	IC M5218AP-22	
R952	1-249-422-11	CARBON	2.7K 5% 1/4W	< JACK >			
R953	1-249-433-11	CARBON	22K 5% 1/4W	J451	1-785-837-11	PIN JACK 2P (PHONO IN)	
R954	1-249-437-11	CARBON	47K 5% 1/4W				
R955	1-249-429-11	CARBON	10K 5% 1/4W				
R956	1-247-843-11	CARBON	3.3K 5% 1/4W				
R957	1-249-417-11	CARBON	1K 5% 1/4W				
R960	1-249-431-11	CARBON	15K 5% 1/4W				

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PHONO	POWER SWITCH	PRIMARY	REAR AMP
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Ref. No.	Part No.	Description	Remark		
< RESISTOR >					
R401	1-249-411-11	CARBON	330	5%	1/4W
R409	1-249-437-11	CARBON	47K	5%	1/4W
R410	1-247-897-11	CARBON	560K	5%	1/4W
R411	1-249-416-11	CARBON	820	5%	1/4W
R412	1-247-897-11	CARBON	560K	5%	1/4W
R413	1-249-437-11	CARBON	47K	5%	1/4W
R416	1-249-417-11	CARBON	1K	5%	1/4W
R417	1-247-897-11	CARBON	560K	5%	1/4W
R451	1-249-411-11	CARBON	330	5%	1/4W
R459	1-249-437-11	CARBON	47K	5%	1/4W
R460	1-247-897-11	CARBON	560K	5%	1/4W
R461	1-249-416-11	CARBON	820	5%	1/4W
R462	1-247-897-11	CARBON	560K	5%	1/4W
R463	1-249-437-11	CARBON	47K	5%	1/4W
R466	1-249-417-11	CARBON	1K	5%	1/4W
R467	1-247-897-11	CARBON	560K	5%	1/4W

	1-673-051-11	POWER SWITCH BOARD			

< CONNECTOR >					
CNS203	1-573-105-11	CONNECTOR, PC BOARD 4P			
< SWITCH >					
S200	1-762-196-21	SWITCH, TACT (I/⏻)			

	1-673-050-11	PRIMARY BOARD (EXCEPT DE335: E)			

	1-533-293-11	FUSE HOLDER			
< CONNECTOR >					
* CNP902	1-564-321-21	PIN, CONNECTOR 2P			
< FUSE >					
△ F901	1-532-464-51	FUSE (T2.5AL/250V)	(DE335: AEP, MY SP, AUS/V323)		
△ F901	1-533-310-11	FUSE, GLASS CYLINDRICAL (DIA.5)	(6.3A/125V) (DE335: US, CND/SE391)		

	A-4419-137-A	REAR AMP BOARD, COMPLETE (DE335: E)			
	A-4419-192-A	REAR AMP BOARD, COMPLETE (SE391)			
	A-4419-481-A	REAR AMP BOARD, COMPLETE	(DE335: US, CND)		
	A-4419-747-A	REAR AMP BOARD, COMPLETE (DE335: AEP)			
	A-4419-750-A	REAR AMP BOARD, COMPLETE	(DE335: MY, SP, AUS/V323)		

< CAPACITOR >					
C444	1-126-163-11	ELECT	4.7uF	20%	50V
C445	1-126-163-11	ELECT	4.7uF	20%	50V
C502	1-162-282-31	CERAMIC	100PF	10%	50V
C503	1-104-665-11	ELECT	100uF	20%	10V
C505	1-102-233-00	CERAMIC	33PF	10%	500V

Ref. No.	Part No.	Description	Remark		
C510	1-104-664-11	ELECT	47uF	20%	16V
C511	1-137-372-11	FILM	0.022uF	5%	50V
C520	1-162-286-31	CERAMIC	220PF	10%	50V
C551	1-126-963-11	ELECT	4.7uF	20%	50V
C552	1-162-282-31	CERAMIC	100PF	10%	50V
C553	1-104-665-11	ELECT	100uF	20%	10V
C555	1-102-233-00	CERAMIC	33PF	10%	500V
< CONNECTOR >					
* CNS501	1-564-519-11	PLUG, CONNECTOR 4P			
* CNS502	1-564-520-11	PLUG, CONNECTOR 5P			
CNS503	1-784-727-11	CONNECTOR, FFC 5P			
< IC >					
IC501	8-759-326-52	IC uPC2581V			
< TRANSISTOR/IC >					
Q501	8-729-119-76	TRANSISTOR	2SA1175-HFE		
Q502	8-729-209-15	TRANSISTOR	2SD2012		
Q503	8-749-010-25	IC	MN2488-OPY-M		
Q504	8-749-010-26	IC	MP1620-OPY-M		
Q520	8-729-140-82	TRANSISTOR	2SA988-PAFAEA		
< RESISTOR >					
R501	1-249-417-11	CARBON	1K	5%	1/4W
R502	1-249-439-11	CARBON	68K	5%	1/4W
R503	1-249-412-11	CARBON	390	5%	1/4W
(EXCEPT DE335: AEP)					
R503	1-249-414-11	CARBON	560	5%	1/4W
(DE335: AEP)					
R504	1-249-439-11	CARBON	68K	5%	1/4W
R510	1-247-840-00	CARBON	2.4K	5%	1/4W
R511	1-249-440-11	CARBON	82K	5%	1/4W
R513	1-249-414-11	CARBON	560	5%	1/4W
△ R514	1-249-408-11	CARBON	180	5%	1/4W F
(DE335: AEP)					
△ R514	1-249-409-11	CARBON	220	5%	1/4W F
(EXCEPT DE335: AEP)					
△ R515	1-249-408-11	CARBON	180	5%	1/4W F
(DE335: AEP)					
△ R515	1-249-409-11	CARBON	220	5%	1/4W F
(EXCEPT DE335: AEP)					
△ R516	1-233-352-41	ENCAPSULATED COMPONENT (0.22+0.22)			
△ R517	1-249-393-11	CARBON	10	5%	1/4W F
R520	1-249-419-11	CARBON	1.5K	5%	1/4W
R521	1-249-427-11	CARBON	6.8K	5%	1/4W
R522	1-249-431-11	CARBON	15K	5%	1/4W
R551	1-249-417-11	CARBON	1K	5%	1/4W
R552	1-249-439-11	CARBON	68K	5%	1/4W
R553	1-249-413-11	CARBON	470	5%	1/4W
R554	1-249-429-11	CARBON	10K	5%	1/4W
R557	1-249-409-11	CARBON	220	5%	1/4W
R558	1-249-409-11	CARBON	220	5%	1/4W
R559	1-249-420-11	CARBON	1.8K	5%	1/4W
R560	1-249-420-11	CARBON	1.8K	5%	1/4W

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SECONDARY

SP SW

STANDBY

TONE

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
	1-673-049-11	SECONDARY BOARD *****				< FUSE >	
		< CONNECTOR >		△ F902	1-532-464-51	FUSE (T2.5AL/250V) (DE335: AEP, MY, SP, AUS/V323)	
CNP801	1-691-773-11	PLUG (MICRO CONNECTOR) 11P		△ F903	1-532-388-51	FUSE (T2AL/250V) (DE335: E)	
		< RESISTOR >				< TERMINAL EARTH >	
△ R810	1-240-877-91	FUSIBLE 0.15 5% 1/4W F		* G900	1-537-738-21	TERMINAL, EARTH (DE335: US, CND/SE391)	
△ R811	1-240-877-91	FUSIBLE 0.15 5% 1/4W F				< AC OUTLET >	

	1-673-045-11	SP SW BOARD *****		△ J911	1-251-718-11	OUTLET (2 GANG), AC (SE391) (AC OUTLET)	
		< CONNECTOR >		△ J911	1-785-834-11	OUTLET (1P) (DE335: US, CND, E) (AC OUTLET)	
CNP703	1-691-767-11	PLUG (MICRO CONNECTOR) 5P				< RESISTOR >	
CNP704	1-691-765-11	PLUG (MICRO CONNECTOR) 3P		△ R901	1-202-725-00	SOLID 3.3M 10% 1/2W (DE335: US, CND/SE391)	
		< JACK >				< RELAY >	
J741	1-750-731-11	JACK (LARGE TYPE) (PHONES) (SE391)		△ RY901	1-755-146-11	RELAY, AC POWER (SE391)	
J741	1-750-733-11	JACK (LARGE TYPE) (PHONES) (DE335/V323)		△ RY901	1-755-276-11	RELAY, POWER (DE335/V323)	
		< RESISTOR >				< TRANSFORMER >	
R741	1-247-753-11	CARBON 1.2K 5% 1/2W		△ T902	1-433-685-11	TRANSFORMER, POWER (DE335: AEP, MY, SP, AUS/V323)	
R742	1-247-753-11	CARBON 1.2K 5% 1/2W		△ T902	1-433-686-11	TRANSFORMER, POWER (DE335: US, CND/SE391)	
R791	1-247-753-11	CARBON 1.2K 5% 1/2W		△ T902	1-433-687-11	TRANSFORMER, POWER (DE335: E)	
R792	1-247-753-11	CARBON 1.2K 5% 1/2W		*****			
		< SWITCH >			1-673-044-11	TONE BOARD *****	
S701	1-771-634-11	SWITCH, PUSH (2 KEY) (SPEAKERS A/B ON/OFF)				< CAPACITOR >	

	1-673-048-11	STANDBY BOARD *****		C421	1-137-440-11	FILM 0.018uF 5% 50V	
				C422	1-124-463-00	ELECT 0.1uF 20% 50V	
	1-533-293-11	FUSE HOLDER (DE335: AEP, E, MY, SP, AUS/V323)		C423	1-137-368-11	FILM 0.0047uF 5% 50V	
		< AC OUTLET >		C424	1-137-372-11	FILM 0.022uF 5% 50V	
△ CNJ903	1-251-416-11	OUTLET, A.C. (DE335: AUS) (AC OUTLET)		C471	1-137-440-11	FILM 0.018uF 5% 50V	
△ CNJ903	1-526-794-11	OUTLET, AC (DE335: AEP, MY, SP) (AC OUTLET)		C472	1-124-463-00	ELECT 0.1uF 20% 50V	
△ CNJ903	1-526-822-00	OUTLET, AC (V323) (AC OUTLET)		C473	1-137-368-11	FILM 0.0047uF 5% 50V	
		< CONNECTOR >		C474	1-137-372-11	FILM 0.022uF 5% 50V	
CNP802	1-779-495-11	PLUG, CONNECTOR PIN 4P				< CONNECTOR >	
CNP901	1-564-321-00	PIN, CONNECTOR 2P		CNS404	1-770-399-11	HOUSING, CONNECTOR (PC BOARD) 6P	
* CNP903	1-580-230-11	PIN, CONNECTOR (PC BOARD) 2P (DE335:AEP, MY, SP, AUS/V323)				< RESISTOR >	
CNP905	1-564-320-00	PIN, CONNECTOR (B2P-VH) 2P (DE335: E)		R420	1-249-415-11	CARBON 680 5% 1/4W	
* CNP906	1-564-687-11	PIN, CONNECTOR 3P (DE335: E)		R421	1-249-431-11	CARBON 15K 5% 1/4W	
		< DIODE >		R422	1-249-422-11	CARBON 2.7K 5% 1/4W	
D816	8-719-911-19	DIODE 1SS119 (DE335: US, AEP, SP)		R423	1-247-903-00	CARBON 1M 5% 1/4W	
D816	8-719-991-33	DIODE 1SS133T-77 (EXCEPT DE335: US, AEP, SP)		R424	1-247-903-00	CARBON 1M 5% 1/4W	
				R470	1-249-415-11	CARBON 680 5% 1/4W	
				R471	1-249-431-11	CARBON 15K 5% 1/4W	
				R472	1-249-422-11	CARBON 2.7K 5% 1/4W	
				R473	1-247-903-00	CARBON 1M 5% 1/4W	

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STONE	VIDEO	VOL SEL	VOLUME
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Ref. No.	Part No.	Description	Remark		
R474	1-247-903-00	CARBON	1M	5%	1/4W
< VARIABLE RESISTOR >					
RV421	1-223-362-11	RES, VAR, CARBON 100K/100K (BASS)			
RV422	1-223-363-11	RES, VAR, CARBON 125K/125K (TREBLE)			
RV423	1-238-965-21	RES, VAR, CARBON 100K/100K (BALANCE)			

	1-673-053-11	VIDEO BOARD			

< CAPACITOR >					
C260	1-126-960-11	ELECT	1uF	20%	50V
					(DE335/V323)
C261	1-126-960-11	ELECT	1uF	20%	50V
					(DE335/V323)
C262	1-164-159-11	CERAMIC	0.1uF		50V
					(DE335/V323)
C263	1-104-664-11	ELECT	47uF	20%	25V
					(DE335/V323)
C264	1-164-159-11	CERAMIC	0.1uF		50V
					(DE335/V323)
C265	1-126-924-11	ELECT	330uF	20%	10V
					(DE335/V323)
C266	1-162-215-31	CERAMIC	47PF	5%	50V
					(DE335/V323)
C267	1-162-215-31	CERAMIC	47PF	5%	50V
					(DE335/V323)
C268	1-126-960-11	ELECT	1uF	20%	50V
					(DE335/V323)
C301	1-126-795-11	ELECT	10uF	20%	50V
C306	1-126-795-11	ELECT	10uF	20%	50V
C317	1-126-795-11	ELECT	10uF	20%	50V
C318	1-126-795-11	ELECT	10uF	20%	50V
C375	1-126-795-11	ELECT	10uF	20%	50V
C376	1-126-795-11	ELECT	10uF	20%	50V
CC272	1-162-282-31	CERAMIC	100PF	10%	50V
					(DE335: AEP)
CC274	1-162-282-31	CERAMIC	100PF	10%	50V
					(DE335: AEP)
CC276	1-162-282-31	CERAMIC	100PF	10%	50V
					(DE335: AEP)
CC278	1-162-282-31	CERAMIC	100PF	10%	50V
					(DE335: AEP)
CC280	1-162-282-31	CERAMIC	100PF	10%	50V
					(DE335: AEP)
CC282	1-162-282-31	CERAMIC	100PF	10%	50V
					(DE335: AEP)
< CONNECTOR >					
CNP500	1-691-771-11	PLUG (MICRO CONNECTOR) 9P			
CNS250	1-569-315-11	SOCKET, CONNECTOR 5P (DE335/V323)			
< IC >					
IC251	8-759-333-84	IC NJM2279D (DE335/V323)			
< JACK >					
J251	1-770-336-11	JACK, PIN 2P (5.1CH/DVD VIDEO, TV/SAT VIDEO IN) (EXCEPT DE335: AEP/SE391)			

Ref. No.	Part No.	Description	Remark		
J251	1-770-336-11	JACK, PIN 2P (5.1CH/DVD VIDEO, TV/LD VIDEO IN) (DE335: AEP)			
J252	1-774-821-11	JACK, PIN 3P (VIDEO IN/OUT, MONITOR VIDEO OUT) (DE335/V323)			
J501	1-779-599-11	JACK, PIN 6P (5.1CH/DVD: FRONT, REAR, WOOFER, CENTER)			
< RESISTOR >					
R208	1-247-804-11	CARBON	75	5%	1/4W (DE335/V323)
R209	1-247-804-11	CARBON	75	5%	1/4W (DE335/V323)
R210	1-247-804-11	CARBON	75	5%	1/4W (DE335/V323)
R211	1-247-804-11	CARBON	75	5%	1/4W (DE335/V323)
R212	1-247-804-11	CARBON	75	5%	1/4W (DE335/V323)
△ R213	1-249-407-11	CARBON	150	5%	1/4W F (DE335/V323)
R214	1-249-421-11	CARBON	2.2K	5%	1/4W
R215	1-249-421-11	CARBON	2.2K	5%	1/4W
R217	1-249-421-11	CARBON	2.2K	5%	1/4W
R218	1-249-421-11	CARBON	2.2K	5%	1/4W
R219	1-249-421-11	CARBON	2.2K	5%	1/4W
R220	1-249-421-11	CARBON	2.2K	5%	1/4W
△ R229	1-249-410-11	CARBON	270	5%	1/4W F (DE335/V323)
R347	1-249-437-11	CARBON	47K	5%	1/4W
R348	1-249-437-11	CARBON	47K	5%	1/4W
R349	1-249-437-11	CARBON	47K	5%	1/4W
R350	1-249-437-11	CARBON	47K	5%	1/4W
R351	1-249-437-11	CARBON	47K	5%	1/4W
R371	1-249-437-11	CARBON	47K	5%	1/4W

	1-673-054-11	VOL SEL BOARD (DE335: E) *****			
	1-533-399-31	HOLDER, FUSE			
< CONNECTOR >					
* CNP907	1-565-395-11	PIN, CONNECTOR 3P			
* CNP908	1-564-321-00	PIN, CONNECTOR 2P			
* CNP910	1-564-687-11	PIN, CONNECTOR 3P			
< FUSE >					
△ F904	1-532-388-51	FUSE (T2AL/250V) (DE335: E)			
< SWITCH >					
S901	1-571-437-11	SWITCH, POWER VOLTAGE CHANGE (VOLTAGE SELECTOR) (DE335: E)			

	1-673-043-11	VOLUME BOARD *****			
< CAPACITOR >					
C420	1-162-207-31	CERAMIC	22PF	5%	50V
C425	1-126-795-11	ELECT	10uF	20%	25V

以阴影和 △ 标志来识别的零
部件、在安全方面具有关键
性。因此只能以规定号码的
零部件来更换。

The components identified by
mark △ or dotted line with
mark △ are critical for safety.
Replace only with part num-
ber specified.

Les composants identifiés par une
marque △ sont critiques pour la
sécurité.
Ne les remplacer que par une pièce
portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark		
C426	1-126-795-11	ELECT	10uF	20%	25V
C430	1-104-942-11	ELECT	1uF	20%	50V
C431	1-104-942-11	ELECT	1uF	20%	50V
C440	1-126-163-11	ELECT	4.7uF	20%	50V
C441	1-126-163-11	ELECT	4.7uF	20%	50V
C442	1-126-163-11	ELECT	4.7uF	20%	50V
C443	1-126-163-11	ELECT	4.7uF	20%	50V
C470	1-162-207-31	CERAMIC	22PF	5%	50V
C475	1-126-795-11	ELECT	10uF	20%	25V
C476	1-126-795-11	ELECT	10uF	20%	25V
C542	1-126-925-11	ELECT	470uF	20%	10V
< CONNECTOR >					
CNP202	1-770-388-11	PIN, CONNECTOR (PC BOARD) 4P			
CNP404	1-770-390-11	PIN, CONNECTOR (PC BOARD) 6P			
CNS402	1-568-439-11	SOCKET, CONNECTOR 7P			
CNS403	1-568-443-11	SOCKET, CONNECTOR 13P			
CNS504	1-784-727-11	CONNECTOR, FFC 5P			
< IC >					
IC404	8-759-636-74	IC M5218AP-22			
< RESISTOR >					
R425	1-249-429-11	CARBON	10K	5%	1/4W
R426	1-249-439-11	CARBON	68K	5%	1/4W
R427	1-249-417-11	CARBON	1K	5%	1/4W
R430	1-249-437-11	CARBON	47K	5%	1/4W
R475	1-249-429-11	CARBON	10K	5%	1/4W
R476	1-249-439-11	CARBON	68K	5%	1/4W
R477	1-249-417-11	CARBON	1K	5%	1/4W
R480	1-249-437-11	CARBON	47K	5%	1/4W
R542	1-249-425-11	CARBON	4.7K	5%	1/4W
< VARIABLE RESISTOR >					
RV404	1-225-446-12	RES, VAR, CARBON 100K/100KX5 (MASTER VOLUME)			

MISCELLANEOUS					

61	1-765-403-11	WIRE (FLAT TYPE) (29 CORE)			
63	1-575-662-31	WIRE (FLAT TYPE) (5 CORE)			
64	1-765-314-11	WIRE (FLAT TYPE) (7 CORE)			
65	1-769-972-11	WIRE (FLAT TYPE) (13 CORE)			
△ 108	1-777-070-21	CORD, POWER (DE335: CND)			
△ 108	1-777-071-21	CORD, POWER (DE335: AEP, E, MY, SP)			
△ 108	1-783-203-11	CORD, POWER (DE335: AUS)			
△ 108	1-783-205-11	CORD, POWER (V323)			
△ 108	1-783-820-11	CORD, POWER (DE335: US/SE391)			
△ 109	1-569-008-21	ADAPTOR, CONVERSION 2P (DE335: E)			
△ 110	1-251-416-11	OUTLET, AC (DE335: AUS)			
△ 110	1-526-794-11	OUTLET, AC (DE335: AEP, MY, SP)			
△ 110	1-526-882-00	OUTLET, AC (V323)			
112	1-693-407-43	TUNER PACK (DE335: US, CND, E/SE391)			
112	1-693-408-43	TUNER PACK (DE335: AEP, MY, SP, AUS/V323)			
113	1-773-001-11	WIRE (FLAT TYPE) (15 CORE)			
115	1-769-844-11	WIRE (FLAT TYPE) (5 CORE)			
△ T901	1-433-713-11	TRANSFORMER, POWER (DE335: US)			

以阴影和 △ 标志来识别的零部件，在安全方面具有关键性。因此只能以规定号码的零部件来更换。

Ref. No.	Part No.	Description	Remark
△T901	1-433-713-21	TRANSFORMER, POWER (SE391)	
△T901	1-433-714-11	TRANSFORMER, POWER (DE335: CND)	
△T901	1-433-715-11	TRANSFORMER, POWER (DE335: AUS)	
△T901	1-433-716-11	TRANSFORMER, POWER (DE335: MY, SP/V323)	
△T901	1-433-717-11	TRANSFORMER, POWER (DE335: AEP)	
△T901	1-433-718-11	TRANSFORMER, POWER (DE335: E)	

HARDWARE LIST			

#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
#2	7-685-871-01	SCREW +BVTT 3X6 (S)	
#3	7-685-881-09	SCREW +BVTT 4X8 (S)	

ACCESSORIES & PACKING MATERIALS			

1-418-294-11	COMMANDER, STANDARD (RM-U303)		
1-501-374-11	ANTENNA, LOOP		
1-501-594-11	ANTENNA (FM)		
3-866-420-11	MANUAL (RECV.HOOK-UP)	(EXCEPT DE335: US, CND/SE391)	
3-866-420-21	MANUAL (RECV.HOOK-UP)	(DE335: US, AEP, SP)	
3-866-420-21	MANUAL (RECV.HOOK-UP)	(DE335: CND, E, MY, AUS/V323)	
3-866-659-11	INSTRUCTION MANUAL (ENGLISH)	(DE335: US/SE391)	
3-866-659-21	INSTRUCTION MANUAL (ENGLISH, FRENCH, SPANISH, CHINESE)	(DE335: CND, E, MY, SP, AUS)	
3-866-659-31	INSTRUCTION MANUAL (ENGLISH, CHINESE)	(V323)	
3-866-659-41	INSTRUCTION MANUAL (ENGLISH, FRENCH, DUTCH, SWEDISH, DANISH)	(DE335: AEP)	
3-866-659-51	INSTRUCTION MANUAL (GERMAN, SPANISH, ITALIAN, PORTUGUESE, FINNISH)	(DE335: AEP)	
3-866-659-61	INSTRUCTION MANUAL (ENGLISH, RUSSIAN, POLISH)	(DE335: AEP)	
3-866-659-71	INSTRUCTION MANUAL (GREEK)	(DE335: AEP)	
4-861-643-01	COVER, BATTERY (FOR RM-U303)		

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

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